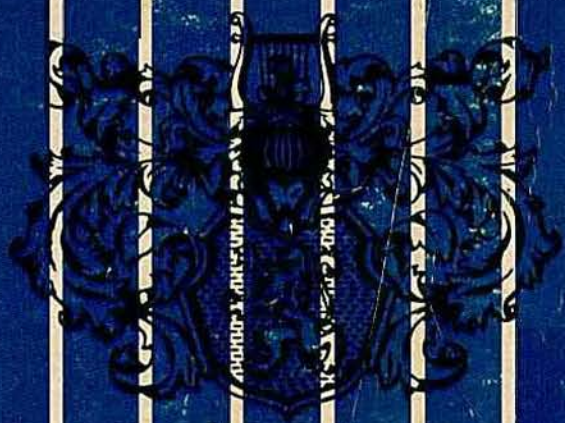


WURLITZER 3600 SERIES



**PHONOGRAPH
SERVICE
MANUAL**

TABLE OF CONTENTS

SECTION A • COIN AND CREDIT EQUIPMENT

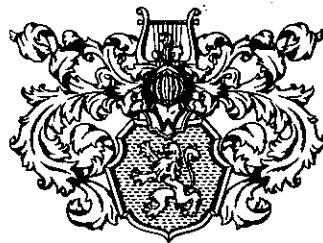
SECTION B • SELECTOR SWITCH AND ELECTRIC SELECTOR

SECTION C • RECORD CHANGER ADJUSTMENTS

SECTION D • CABINET

SECTION E • TROUBLE SHOOTING

SECTION F • ELECTRICAL AND SOUND SYSTEMS



THE WURLITZER COMPANY NORTH TONAWANDA, NEW YORK

WARRANTY

Consistent with The Wurlitzer Company policy of offering their products with full confidence in their performance, all parts of automatic phonographs and accessory equipment are warranted to be free from defects in material and workmanship under normal use as follows:

- (A) Bonus Accumulator (BO/AC), except pricing board, for a period of three years from date of delivery by Distributor to his customer.
- (B) All other parts for a period of one year from date of delivery by the Distributor to his customer.

The Company's liability under this warranty is limited to replacement, free of charge, F.O.B. North Tonawanda, New York, of any part or parts returned to the Company's North Tonawanda plant for examination which prove defective and provided the phonograph has been serviced as recommended in the Service Manual and Lubrication Chart.

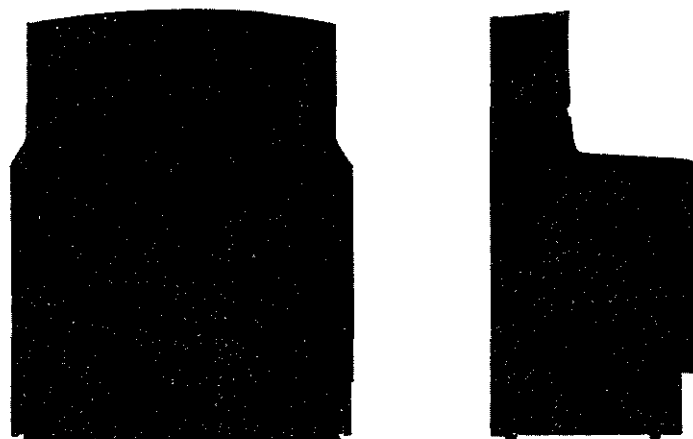
This express Warranty excludes all implied warranties, and no promise or representation inconsistent herewith, which may be made by any person, firm or corporation, shall be binding upon The Wurlitzer Company. The Wurlitzer Company shall not be liable for damage of any nature due to delayed shipment.

THE WURLITZER COMPANY

NORTH TONAWANDA, N. Y.

SPECIFICATIONS

WURLITZER
SUPER STAR SERIES
100 - 160 - 200 SELECTION PHONOGRAPHS



CABINET DIMENSIONS
Height 52 1/2" Depth 25 1/4" Width 40 1/4"

DOME LOCK KEY ? . . . RW 110

CASH BOX LOCK Ace WCX Series

DOLLAR BILL CASH BOX LOCK Ace WCX Series

POWER REQUIREMENTS

Standby 117 Volts
60 Hertz
200 VA (120 Watts)

Operational 117 Volts
60 Hertz
360 VA (230 Watts)

CABINET ILLUMINATION

1 - 36" 30W and 1 - 28" 25W Fluorescent (on Models with Dollar Bill Acceptor)
2 - 36" 30W Fluorescent (on Models not equipped with Dollar Bill Acceptor)

CREDIT EQUIPMENT

Slug Rejector National Simplex IV
Dollar Bill Acceptor National Simplex 100
Credit Unit Wurlitzer Electronic Bonus Accumulator

RECORD CHANGER

Wurlitzer Wurlamatic
Turntable Speed 33.3 and 45 Automatic Intermixed
Records 7" - 33.3 and 45 RPM
Record Library
100 Selection Phonograph 50 record capacity
160 Selection Phonograph 80 record capacity
200 Selection Phonograph 100 record capacity

KEYBOARD - 200 Selection Phonographs

LP selections can be programmed in the A only or A and B sections 1 thru 0.
Minimum LP programming 5 LP records, 10 selections.
Maximum LP programming 10 LP records, 20 selections.

Automatic Programmer (when phonographs are so equipped).
Preset 1 Program selects records E1-E3-E5 and F1-F3-F5, also E7-E9 and F7-F9 if so desired.
Preset 2 Program selects records J1-J3-J5 and K1-K3-K5, also J7-J9 and K7-K9 if so desired.
The Automatic Programmer can be optionally set for six, eight or ten selections in the E-F and J-K sections.

SECTION A

KEYBOARD - 160 Selection Phonographs

LP selections can be programmed in the 1 only or 1 and 2 sections A thru V.

Minimum LP programming 10 LP records, 20 selections.

Maximum LP programming 20 LP records, 40 selections.

KEYBOARD - 100 Selection Phonographs

LP selections can be programmed in the A only or A and B sections 1 thru 0.

Minimum LP programming 5 LP records, 10 selections.

Maximum LP programming 10 LP records, 20 selections.

SOUND SYSTEM

Solid State Amplifier Wurlitzer Model 553

Power Supply Wurlitzer Model 554

Pickup Astatic

Stylus Dual Tip Diamond .7 Mil

Power Output total 80 watts music power

Output Impedance Multiple tap low impedance plus constant voltage.

CABINET SPEAKERS

2 - 12" Lower - Range Speakers

2 - 6" Upper - Range Speakers

SUPER STAR ACCESSORIES

Remote Volume Control Kit 219

Part No. 136930

Microphone Kit 220 .

Part No. 136931

Stepper, 100 and 200 Selection, Model 270

Part No. 138849

Stepper, 160 Selection, Model 271

Part No. 138850

Income Computer, Model 225

Part No. 138673

Wall Box, 200 Selection (with Speakers & Golden Bar), Model 5220

Part No. 125555

Wall Box, 200 Selection (without Speakers or Golden Bar), Model 5220A

Part No. 125557

Wall Box, 100 Selection (with Speakers & Golden Bar), Model 5225

Part No. 125547

Wall Box, 100 Selection (without Speakers or Golden Bar), Model 5225A

Part No. 125549

Wall Box Bar Mounting Bracket (Chrome), Kit 191

Part No. 126469

Wall Box Bar Mounting Bracket (Aluminum), Kit 192

Part No. 126470

Wall Box Mounting Plate, 5220-5225

Part No. 126984

Wall Box Mounting Plate, 5220A-5225A

Part No. 126985

Wall Box Booster Transformer, Model 222C

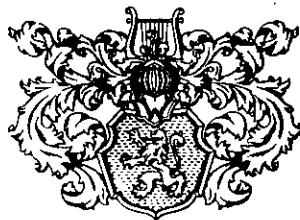
Part No. 137182

Speaker, Directional, Model 5126

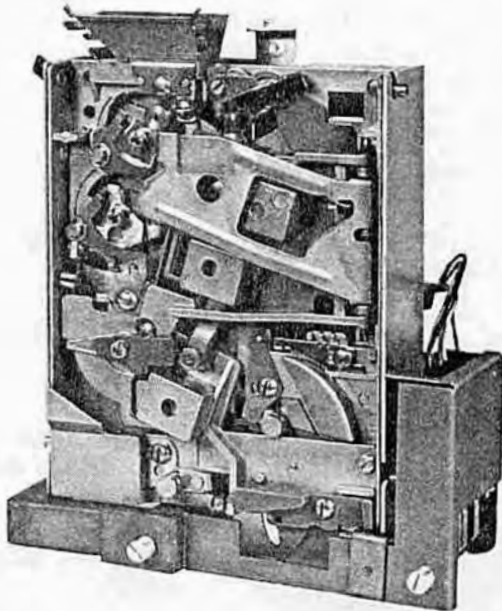
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Speaker, Wall, Model 5133

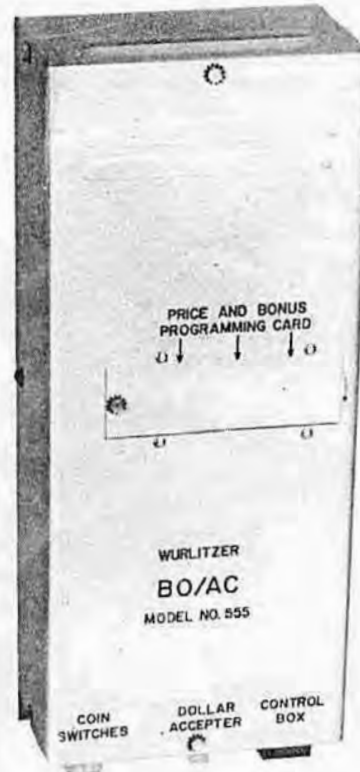
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COIN AND CREDIT EQUIPMENT



SLUG REJECTOR



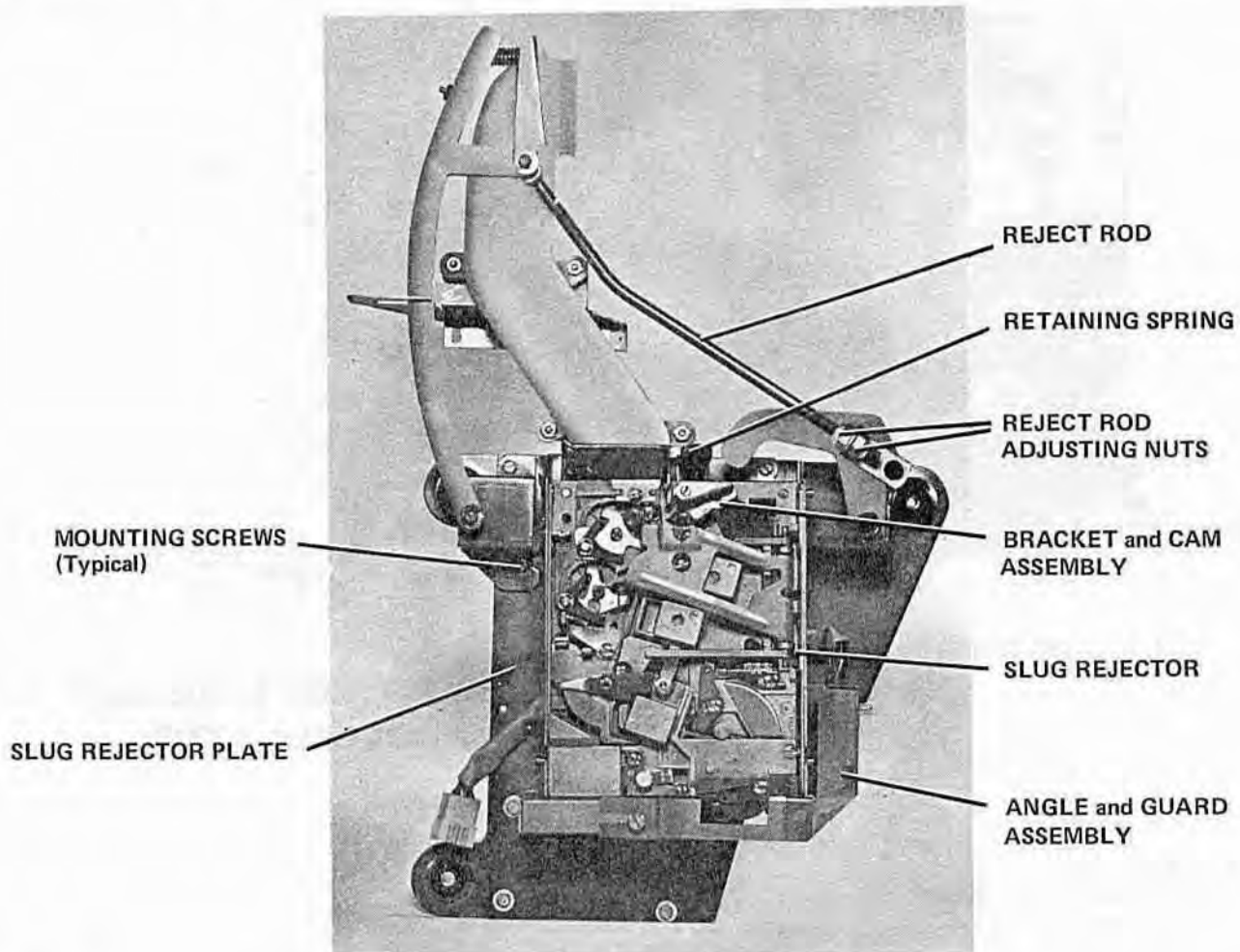
**ELECTRONIC BONUS
ACCUMULATOR**

Reject Rod Adjustment	Page 2A
Slug Rejector Mounting Plate Adjustment	Page 2A
Coin Switch Adjustments	Page 3A
Electronic Bonus Accumulator	Page 4A
Slug Rejector Mounting Assembly Illustrated Parts List	Page 5A

REJECT ROD ADJUSTMENT

Open phonograph dome assembly and remove the program holder, then close dome assembly. Depress reject button firmly. Viewing SLUG REJECTOR through the dome assembly, verify that the BRACKET and CAM ASSEMBLY is fully depressed with 1/4" of the reject button remaining.

Should adjustment of the REJECT ROD be necessary, loosen REJECT ROD ADJUSTING NUTS and position the REJECT ROD as required for proper operation. Tighten REJECT ROD ADJUSTING NUTS.



SLUG REJECTOR MOUNTING PLATE ADJUSTMENT

Be sure that the phonograph is positioned on a level surface prior to making any adjustments to the SLUG REJECTOR MOUNTING PLATE. Should it be necessary to compensate for uneven footing, the following methods may be used.

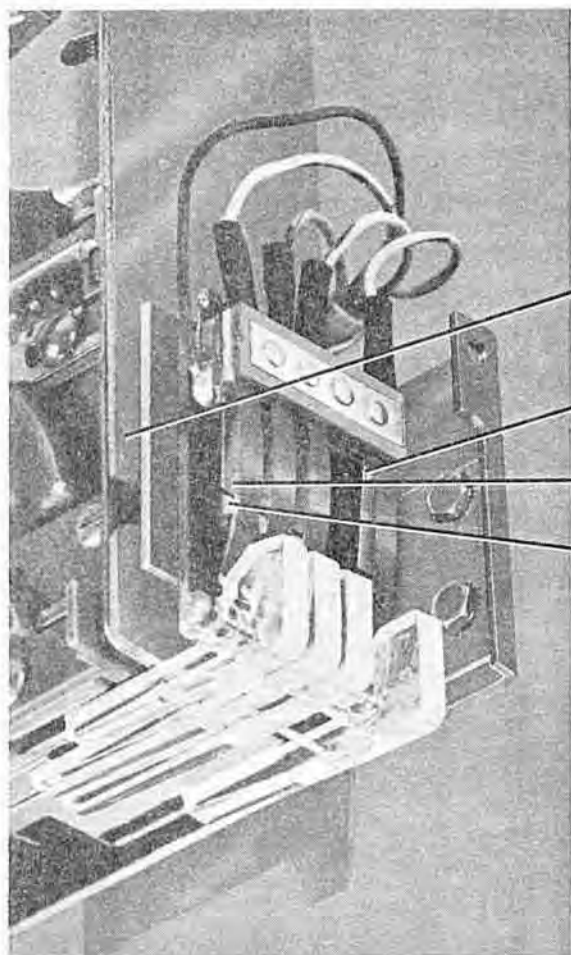
1. Side to side leveling of the phonograph may be accomplished by placing blocks or strips under the casters on the low side of the cabinet. Check SLUG REJECTOR for proper coin acceptance.
2. Front to back leveling of the SLUG REJECTOR may be accomplished by loosening the seven MOUNTING SCREWS and positioning the SLUG REJECTOR MOUNTING PLATE as required. Tighten MOUNTING SCREWS. Check SLUG REJECTOR for proper coin acceptance.

NOTE

Access to all MOUNTING SCREWS is accomplished by lifting the RETAINING SPRING, moving the top of the SLUG REJECTOR to the left then lifting out.

COIN SWITCH ADJUSTMENTS

Remove ANGLE and GUARD ASSEMBLY to obtain access to coin switch.



- A. With coin switch paddles resting flush against bottom of slug rejector, verify spacing between switch mounting bracket and cover and clip assembly is $1/4''$.
- B. Tension of the long movable blades must be sufficient to hold the coin switch paddles against bottom of slug rejector.
- C. The stiffener blades should be set to provide $1/32''$ opening between short and long movable contact blades.
- D. The short blades must bear against stiffeners with sufficient tension to prevent vibration. This should be approximately one gram on the 10 cent blade and two to three grams on the 5, 25, and 50 cent blades.

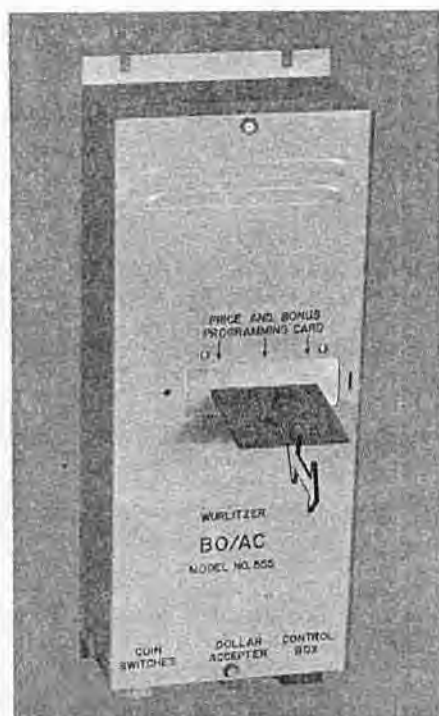
The tension of the long movable blades should be adjusted so a thin coin, when stopped on it's coin paddle by holding the paddle up, will upon releasing the paddle, actuate the movable blade, close the contacts then clear paddle.

1. Install SLUG REJECTOR in phonograph and apply power.
2. Test each individual coin track ten consecutive times with coins of varied wear. If a coin fails to register, that particular coin switch should be examined and, if necessary, readjusted. Check SLUG REJECTOR for proper alignment.

A pulse of more than five seconds duration should normally trip the circuit breaker in the coin magnet circuit.

ELECTRONIC BONUS ACCUMULATOR

The Electronic Bonus Accumulator, hereinafter referred to as BO/AC, is a solid state electronic credit accumulator designed to provide a method of credit accumulation, both standard and bonus, resulting from the depositing of coinage of all denominations. It will also accumulate credits resulting from the depositing of dollar bills in Phonographs equipped with Dollar Bill Accepters. The coins and/or dollar bills may be deposited in any sequence until maximum credits have been accumulated to permit the selection of thirty-one standard plays. The amount of credits required for each standard play are governed by the plug in Program Card shown in the illustration.



Program Card, Part No. 138442, is supplied with the BO/AC. Any combination of coinage equalling .25, .50, .75 or 1.00, using this Program Card, will provide the following:

- Singles - Two for .25, five for .50, eight for .75 and twelve for 1.00.
- LP's - One for .25, two for .50, three for .75 and four for 1.00, provided the Phonograph is programmed for LP's and the Conversion Switches located on the Selector Switch Assembly are positioned to ON.
- Six or eight preselected singles for .50 provided the Phonograph is equipped to play preselected programs.

Should a pricing change be desired, additional Programs are available through your local Wurlitzer Distributor. Access to the Program Card, installed in the BO/AC, is obtained by removing the PRICE AND BONUS PROGRAMMING CARD Cover located on the Cover of the BO/AC.

NOTE

The base of the Program Cards are slotted to prevent improper insertion when installing Program Cards in the BO/AC.

Illustrated below, and on the following page, are the available Coin Denomination and Select Labels. Listed next to each segment of each Coin Denomination and Select Label is the Part No. of the specific Program Card required to provide the proper crediting for the various pricing outlined on each segment of each Coin Denomination and Select Label.

138554

DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	
\$1.00	12	SELECT ★
.75	8	
.50	5	
.25	2	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	
\$1.00	12	SELECT ★
.75	8	
.50	6	
.25	3	
.10	1	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	
\$1.00	15	SELECT ★
.75	10	
.50	6	
.25	3	
.10	1	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	
\$1.00	20	SELECT ★
.75	14	
.50	8	
.25	4	
.10	1	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	
\$1.00	16	SELECT ★
.75	11	
.50	7	
.25	3	
.10	1	

Program Card
Part No. 138442

Program Card
Part No. 138437

Program Card
Part No. 138441

Program Card
Part No. 138959

Program Card
Part No. 138958

138560

DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	LP ALBUMS
\$1.00	12	4 SIDES
.75	8	3 SIDES
.50	5	2 SIDES
.25	2	1 SIDE
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	LP SIDES
\$1.00	12	4+1 SINGLE
.75	8	3
.50	6	2
.25	3	1
.10	1	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	LP SIDES
\$1.00	15	5
.75	10	3+1 SINGLE
.50	6	2
.25	3	1
.10	1	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	LP SIDES
\$1.00	20	6+2 SINGLES
.75	14	4+2 SINGLES
.50	8	3
.25	4	1+1 SINGLE
.10	1	
DEPOSIT MIXED COINS IN ANY SEQUENCE	DEPOSIT ADDITIONAL COINS	
PRICING	SINGLES	LP SIDES
\$1.00	16	5+1 SINGLE
.75	11	3+2 SINGLES
.50	7	2+1 SINGLE
.25	3	1
.10	1	

Program Card
Part No. 138442

Program Card
Part No. 138437

Program Card
Part No. 138441

Program Card
Part No. 138959

Program Card
Part No. 138958

138656

DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		12	SELECT ★		
.75		8			
.50		5			
.25		2			
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		16	SELECT ★		
.75		11			
.50		7			
.25		3			
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		12	4 SIDES	SELECT ANY LP SIDE	
.75		8	3 SIDES	SELECT ANY SINGLE	
.50		5	2 SIDES		
.25		2	1 SIDE		
6 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		16	5 + 1 SINGLE	SELECT ANY LP SIDE	
.75		11	3 + 2 SINGLES	SELECT ANY SINGLE	
.50		7	2 + 1 SINGLE		
.25		3	1		
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					

Program Card
Part No. 138442Program Card
Part No. 138958Program Card
Part No. 138442Program Card
Part No. 138958

138891

DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		12	SELECT ★		
.75		8			
.50		5			
.25		2			
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		20	SELECT ★		
.75		14			
.50		9			
.25		4			
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		12	4	SELECT ANY LP SIDE	
.75		8	3	SELECT ANY SINGLE	
.50		5	2		
.25		2	1		
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		20	6 + 2 SINGLES	SELECT ANY LP SIDE	
.75		14	4 + 2 SINGLES	SELECT ANY SINGLE	
.50		9	3		
.25		4	1 + 1 SINGLE		
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					

Program Card
Part No. 138442Program Card
Part No. 138959Program Card
Part No. 138442Program Card
Part No. 138959

138892

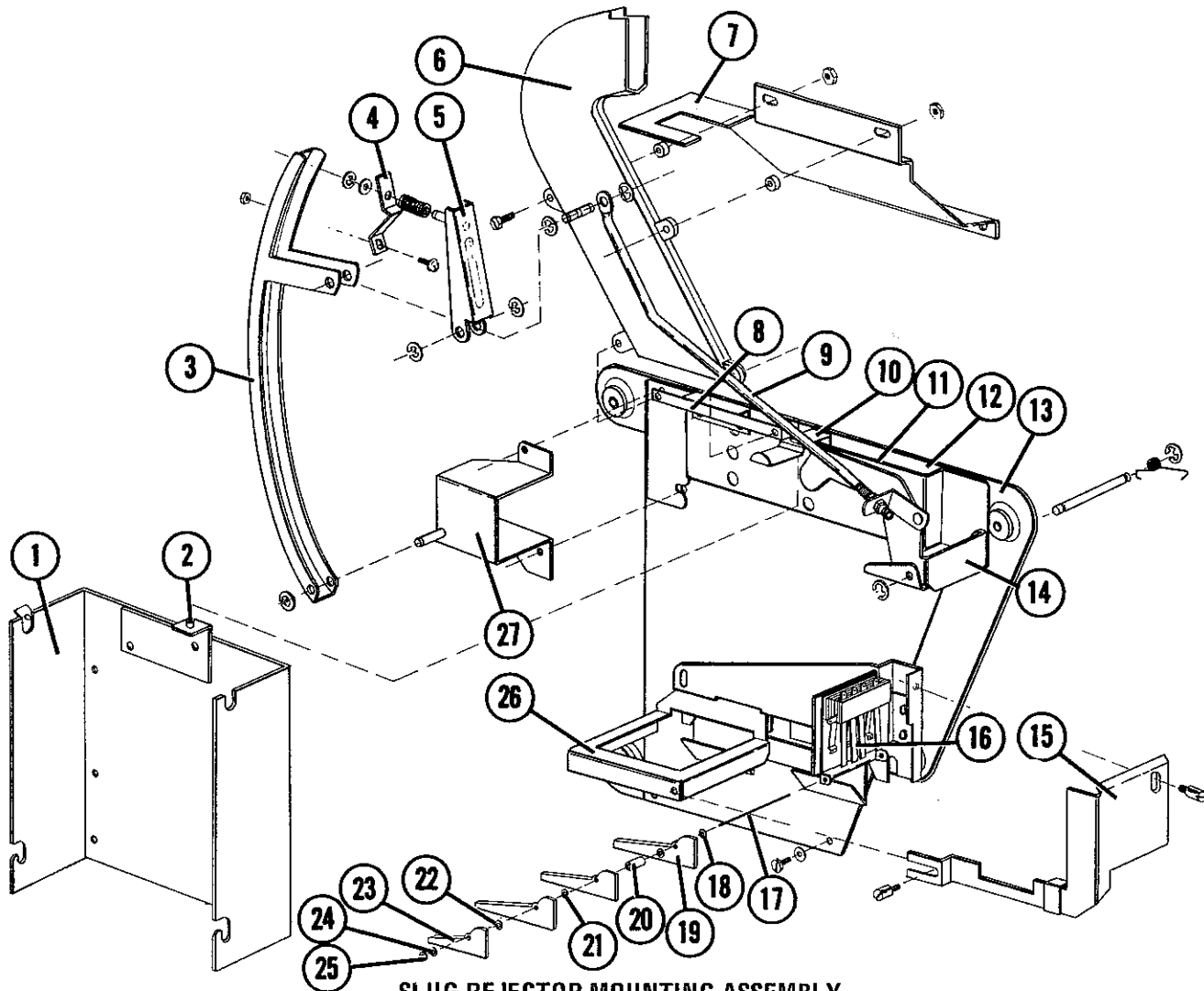
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		13	SELECT ★		
.75		9			
.50		6			
.25		3			
.10		1			
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		15	SELECT ★		
.75		10			
.50		6			
.25		3			
.10		1			
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		13	4+1 SINGLE	SELECT ANY LP SIDE	
.75		9	3	SELECT ANY SINGLE	
.50		6	2		
.25		3	1		
.10		1			
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		15	5	SELECT ANY LP SIDE	
.75		10	3 + 1 SINGLE	SELECT ANY SINGLE	
.50		6	2		
.25		3	1		
.10		1			
8 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					

Program Card
Part No. 138437Program Card
Part No. 138441Program Card
Part No. 138437Program Card
Part No. 138441

138893

DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		13	SELECT ★		
.75		9			
.50		6			
.25		3			
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	DEPOSIT ADDITIONAL COINS		
\$1.00		15	SELECT ★		
.75		10			
.50		6			
.25		3			
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		13	4+1 SINGLE	SELECT ANY LP SIDE	
.75		9	3	SELECT ANY SINGLE	
.50		6	2		
.25		3	1		
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					
DEPOSIT MIXED COINS IN ANY SEQUENCE		SINGLES	LP SIDES	DEPOSIT ADDITIONAL COINS	
\$1.00		15	5	SELECT ANY LP SIDE	
.75		10	3 + 1 SINGLE	SELECT ANY SINGLE	
.50		6	2		
.25		3	1		
.10		1			
10 PRESELECTED SINGLES FOR 50 CENTS PRESS LIGHTED PROGRAM BUTTON NO. 1 OR NO. 2					

Program Card
Part No. 138437Program Card
Part No. 138441Program Card
Part No. 138437Program Card
Part No. 138441



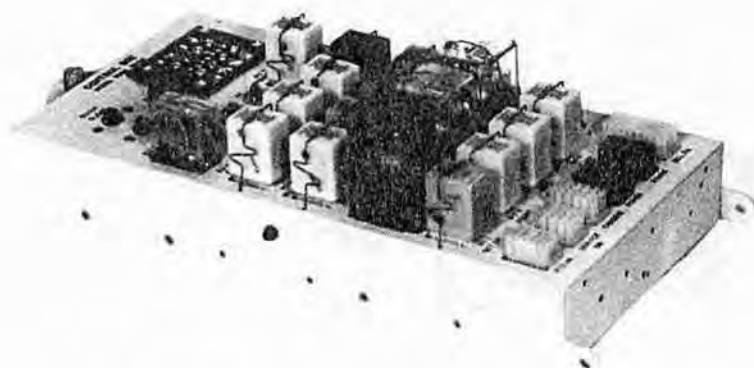
SLUG REJECTOR MOUNTING ASSEMBLY

1. Cover and Clip Assembly	131539	13. Mounting Plate, Slug Rejector	138189
Cable Clamp (2)	123897	Washer (4)	52958
2. Locating Pin and Catch Assembly	131034	Grommet (4)	49884
3. Lever, Reject Rod	138212	Spacer (4)	122944
Retaining Ring	73724-25	14. Actuator and Bracket Assembly	132410
4. Mounting Bracket, Pin Actuator	138161	Shaft	68300
Keys Nut, 6-32	74262-5	Spring	122413
5. Actuator and Pin Assembly	138276	Retaining Ring (2)	73724-25
Spring	132409	15. Angle and Guard Assembly	138235
Washer	27787	Thumbscrew (2)	35745
Retaining Ring	73724-18	16. Coin Switch	131186
6. Coin Entry Chute	138919	Plug, 9	131174
Spacer (4)	124041	Pin Terminal (7)	132000
Keys Nut, 6-32 (4)	74262-5	Lockwasher (2)	73604-5
7. Mounting Bracket and Guide	138340	Screw, 6 x 5/16 HEX Z (2)	76626-5
8. Mounting Bracket, Lower	136564	Speednut	74750-5
9. Reject Rod	138239	17. Shaft	119107-C
Pivot Pin	132426	18. Copper Washer	119107-F
Retaining Ring (5)	73724-25	19. Long Paddle	119107-A
Keys Nut, 1/4 x 20 (2)	74262-13	20. Spacer	119107-D
10. Retaining Spring, Slug Rejector	130849	21. Copper Washer	119107-F
Washer (2)	54024	22. Copper Washer	119107-F
11. Mounting Plate and Bracket Assembly	138262	23. Short Paddle	119107-B
Washer (5)	54024	24. Iron Washer	119107-E
12. Shipping Clip, Slug Rejector	131632	25. Iron Washer	119107-E
Washer	657	26. Mounting Bracket and Guard Assembly	138233
		Washer (2)	54024
		27. Bracket and Pin Assembly	136562

KEYBOARD SELECTOR SWITCH CONTROL BOX AND TOP TUNE EQUIPMENT



KEYBOARD SELECTOR SWITCH ASSEMBLY



CONTROL BOX

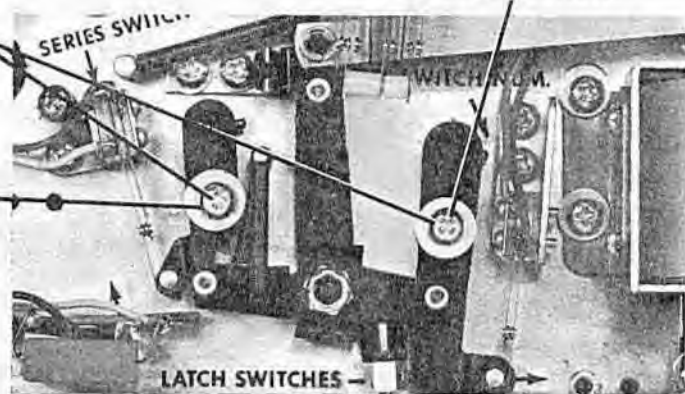
Connector Link Plate Adjustment	Page 2B
Preliminary Adjustment of the Latch Solenoid	Page 2B
Latch Solenoid Stop Bracket Adjustment	Page 3B
Letter and Number Latch Lever Adjustment	Page 3B
Final Latch Solenoid Adjustment	Page 4B
Latch Solenoid Switch Adjustment	Page 4B
Letter and Number Series Switch Adjustment	Page 5B
Letter and Number Latch Switch Adjustment	Page 5B
Selector Switch Assembly Illustrated Parts List	Page 6B
Support Button and Cable Assembly Illustrated Parts List	Page 9B
Control Box Assembly Illustrated Parts List	Page 10B

CONNECTOR LINK PLATE ADJUSTMENT

- A. Loosen the LETTER and NUMBER LATCH LEVER ADJUSTING SCREWS.

LETTER LATCH LEVER
ADJUSTING SCREW

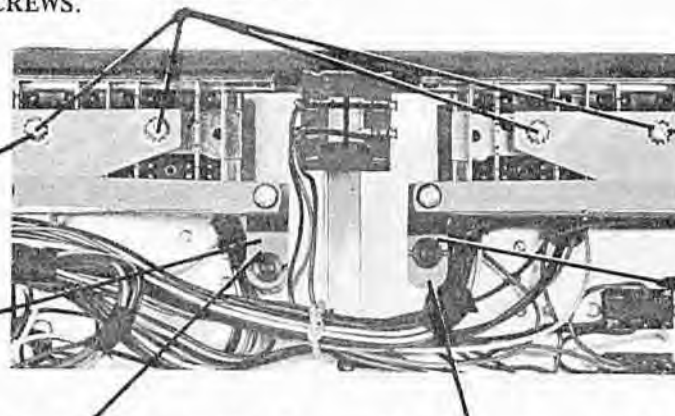
NUMBER LATCH LEVER
ADJUSTING SCREW



- B. Loosen NUMBER and LETTER CONNECTOR LINK PLATE ADJUSTING SCREWS.

NUMBER CONNECTOR
LINK PLATE ADJUSTING
SCREWS

NUMBER LINK and
LEVER ASSEMBLY



LETTER CONNECTOR
LINK PLATE ADJUSTING
SCREWS

LETTER LINK and
LEVER ASSEMBLY

- C. Fully depress a number button, then position the NUMBER LINK and LEVER ASSEMBLY in a vertical position. Tighten the NUMBER CONNECTOR LINK PLATE ADJUSTING SCREWS.

- D. Fully depress a letter button, then position the LETTER LINK and LEVER ASSEMBLY in a vertical position. Tighten the LETTER CONNECTOR LINK PLATE ADJUSTING SCREWS.

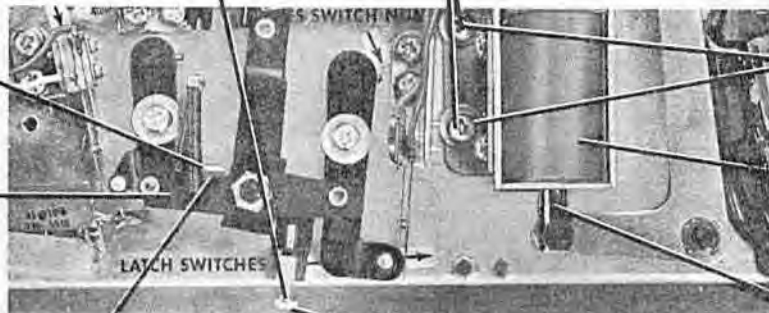
PRELIMINARY ADJUSTMENT OF THE LATCH SOLENOID

- A. Turn the RELEASE LEVER ADJUSTING SCREW in two turns.

- B. Loosen the LATCH SOLENOID ADJUSTING SCREWS.

RELEASE LEVER
TAB

LEFT HAND
TRIP LEVER



LATCH SOLENOID
ADJUSTING SCREWS

LATCH SOLENOID

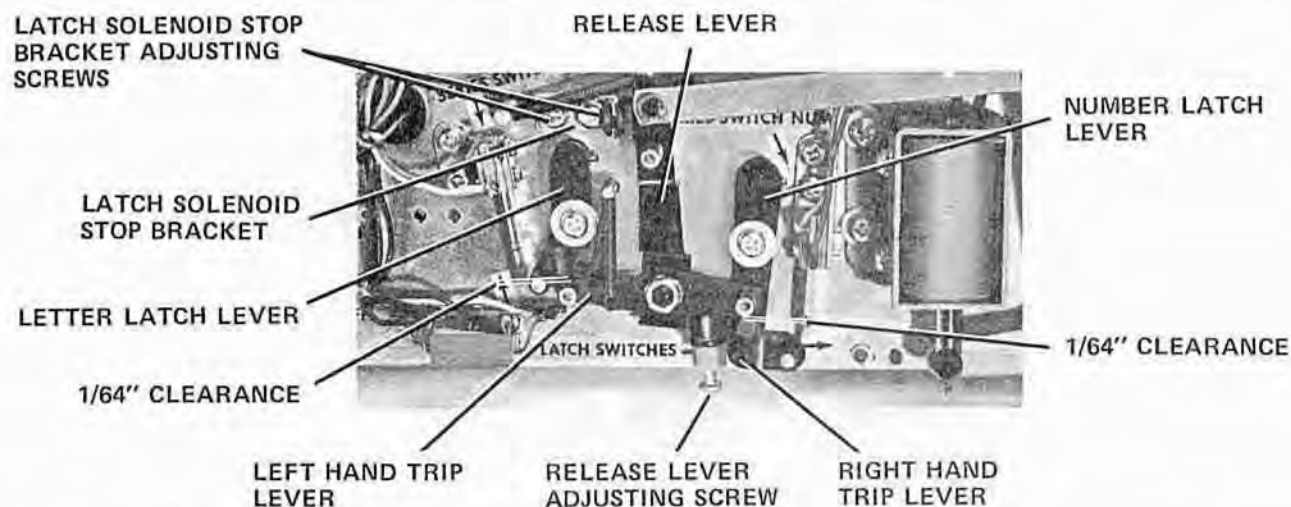
LATCH SOLENOID
PLUNGER

RELEASE LEVER
ADJUSTING SCREW

- C. Manually hold the LATCH SOLENOID PLUNGER firmly bottomed in the LATCH SOLENOID, then set the LATCH SOLENOID to provide 3/64" maximum clearance between the RELEASE LEVER TAB and the LEFT HAND TRIP LEVER. Tighten the LATCH SOLENOID ADJUSTING SCREWS.

LATCH SOLENOID STOP BRACKET ADJUSTMENT

- A. Verify that the RELEASE LEVER is in its normal rest position.
- B. Loosen the LATCH SOLENOID STOP BRACKET ADJUSTING SCREWS.

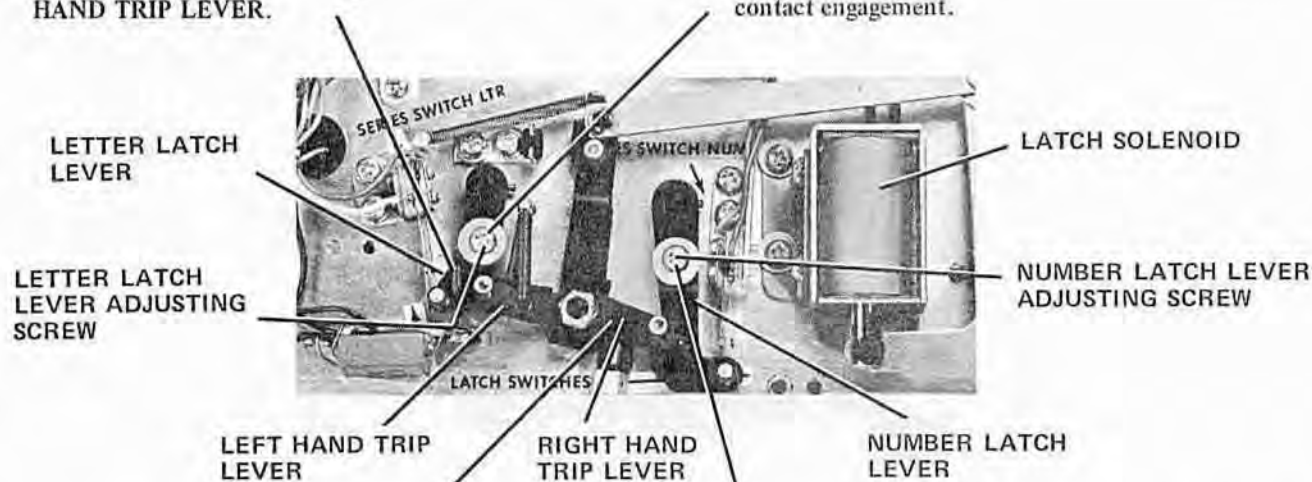


- C. Position LATCH SOLENOID STOP BRACKET to provide 1/64\" CLEARANCE between stud of the LEFT HAND TRIP LEVER and the stop pad of the LETTER LATCH LEVER.
- D. Back off the RELEASE LEVER ADJUSTING SCREW to provide 1/64\" CLEARANCE between square stud of the NUMBER LATCH LEVER and The RIGHT HAND TRIP LEVER.

LETTER AND NUMBER LATCH LEVER ADJUSTMENT

Verify that the LETTER and NUMBER LATCH LEVER ADJUSTING SCREWS are loose, then manually or electrically actuate the LATCH SOLENOID.

- A. Manually hold a letter button fully depressed, then adjust the LETTER LATCH LEVER so that its stop tab rests firmly against the square stud of the LEFT HAND TRIP LEVER.
- B. Maintain the setting of Step A and tighten the LETTER LATCH LEVER ADJUSTING SCREW. Check each letter button for proper latching and selector switch contact engagement.

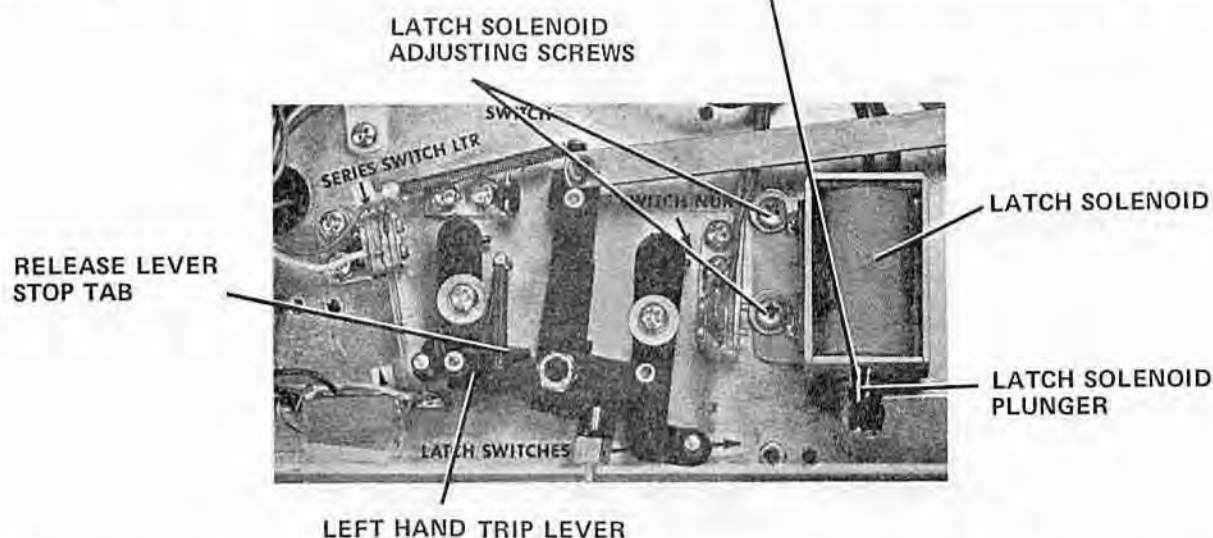


- C. Manually hold a number button fully depressed, then adjust the NUMBER LATCH LEVER so that the square stud of the NUMBER LATCH LEVER rests firmly against the stop tab of the RIGHT HAND TRIP LEVER.
- D. Maintain the setting of Step C and tighten the NUMBER LATCH LEVER ADJUSTING SCREW. Check each number button for proper latching and selector switch contact engagement.

FINAL LATCH SOLENOID ADJUSTMENT

- A. Loosen the LATCH SOLENOID ADJUSTING SCREWS.

- B. Manually hold the LATCH SOLENOID PLUNGER firmly bottomed in the LATCH SOLENOID.



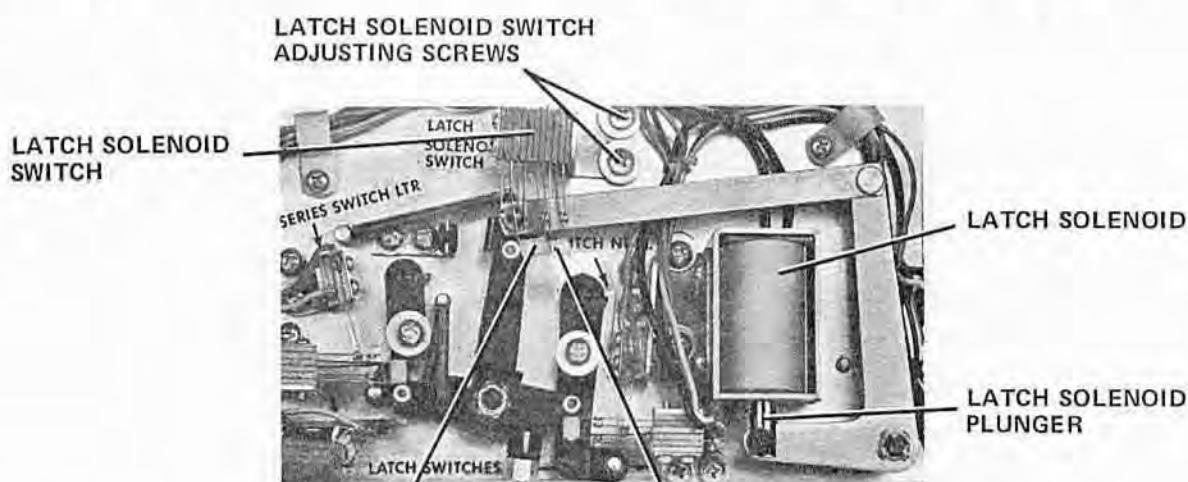
- C. Position the LATCH SOLENOID to provide $5/64$ " maximum clearance between the RELEASE LEVER STOP TAB and the LEFT HAND TRIP LEVER. Tighten the LATCH SOLENOID ADJUSTING SCREWS.

- D. While manually holding the LATCH SOLENOID PLUNGER firmly bottomed in the LATCH SOLENOID, mark the LATCH SOLENOID PLUNGER with an identifying mark at the LATCH SOLENOID. Release the LATCH SOLENOID PLUNGER, then measure and verify that the LATCH SOLENOID PLUNGER travel does not exceed $3/16$ of an inch.

LATCH SOLENOID SWITCH ADJUSTMENT

- A. Loosen the LATCH SOLENOID SWITCH ADJUSTING SCREWS.

- B. Manually hold the LATCH SOLENOID PLUNGER firmly bottomed in the LATCH SOLENOID.



- C. Verify that the normally open contacts of the LATCH SOLENOID SWITCH close with $1/32$ " overtravel.

- D. Position the LATCH SOLENOID SWITCH to provide $1/32$ " to $1/16$ " opening of the normally closed contacts. Tighten the LATCH SOLENOID SWITCH ADJUSTING SCREWS.

LETTER AND NUMBER SERIES SWITCH ADJUSTMENT

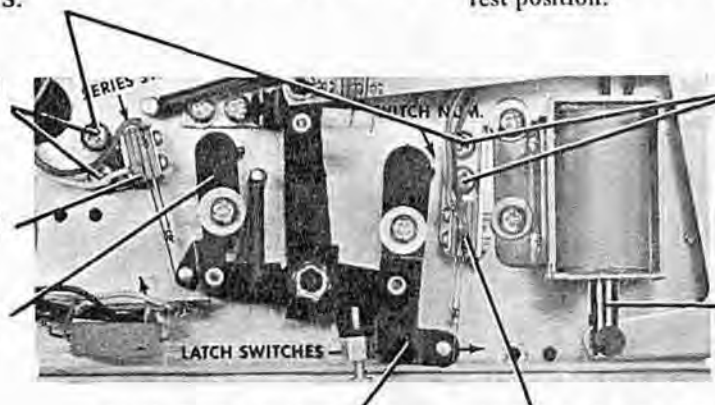
- A. Loosen the LETTER and NUMBER SERIES SWITCH ADJUSTING SCREWS.

- B. Verify that the LATCH SOLENOID PLUNGER is at rest position.

LETTER SERIES SWITCH
ADJUSTING SCREWS

LETTER SERIES SWITCH

LETTER LATCH LEVER



NUMBER SERIES SWITCH
ADJUSTING SCREWS

LATCH SOLENOID
PLUNGER

NUMBER LATCH LEVER

NUMBER SERIES SWITCH

- C. Adjust the LETTER SERIES SWITCH so that the long blade of the switch rests against the insulated stud of the LETTER LATCH LEVER with zero clearance. Tighten the LETTER SERIES SWITCH ADJUSTING SCREWS.

- D. Adjust the NUMBER SERIES SWITCH so that the long blade of the switch rests against the insulated stud of the NUMBER LATCH LEVER with zero clearance. Tighten the NUMBER SERIES SWITCH ADJUSTING SCREWS.

NOTE

When a letter and/or number button is latched, the contacts of their respective SERIES SWITCHES should open $1/32''$ and should close with $1/32''$ overtravel when the button is released.

LETTER AND NUMBER LATCH SWITCH ADJUSTMENT

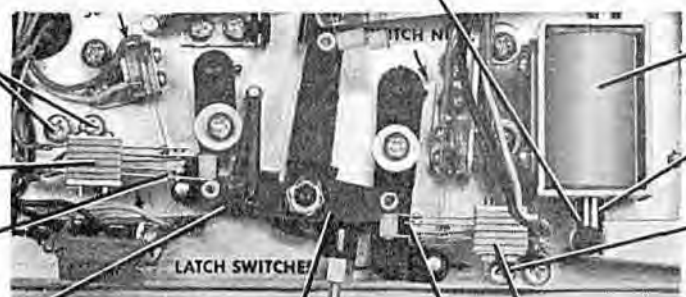
- A. Loosen the LETTER and NUMBER LATCH SWITCH ADJUSTING SCREWS.

- B. Manually hold the LATCH SOLENOID PLUNGER firmly bottomed in the LATCH SOLENOID.

LETTER LATCH SWITCH
ADJUSTING SCREWS

LETTER LATCH SWITCH

LEFT HAND
TRIP LEVER



LATCH SOLENOID

LATCH SOLENOID
PLUNGER

NUMBER LATCH SWITCH
ADJUSTING SCREWS

RIGHT HAND TRIP LEVER

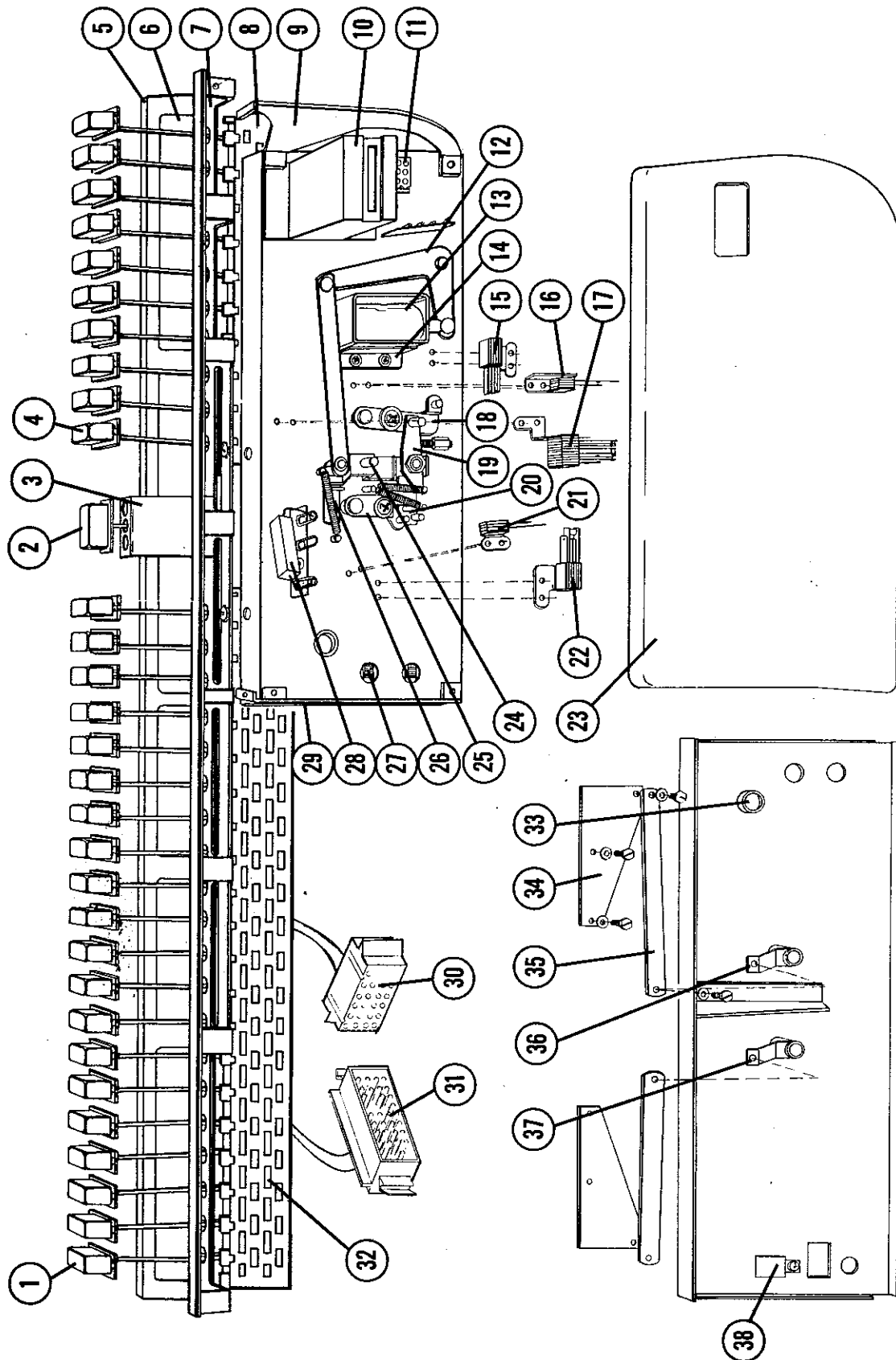
NUMBER LATCH SWITCH

- C. Adjust the LETTER LATCH SWITCH so that the long blade of the switch rests against the insulated stud of the LEFT HAND TRIP LEVER with zero clearance. Tighten LETTER LATCH SWITCH ADJUSTING SCREWS.

- D. Adjust the NUMBER LATCH SWITCH so that the long blade of the switch rests against the insulated stud of the RIGHT HAND TRIP LEVER with zero clearance. Tighten the NUMBER LATCH SWITCH ADJUSTING SCREWS.

NOTE

The contacts of the LETTER and NUMBER LATCH SWITCHES are set normally open $1/32''$. When a letter and/or number button is latched, the contacts of their respective switches should close with $1/32''$ overtravel.



SELECTOR SWITCH ASSEMBLY ILLUSTRATED PARTS LIST

	200	160	100
1. Selector Button and Clip Assembly, A	131953	131953	131953
Selector Button and Clip Assembly, B	131954	131954	131954
Selector Button and Clip Assembly, C	131955	131955	131955
Selector Button and Clip Assembly, D	131956	131956	131956
Selector Button and Clip Assembly, E	131957	131957	131957
Selector Button and Clip Assembly, F	131958	131958	131958
Selector Button and Clip Assembly, G	131959	131959	131959
Selector Button and Clip Assembly, H	131960	131960	131960
Selector Button and Clip Assembly, J	131961	131961	131961
Selector Button and Clip Assembly, K	131962	131962	131962
Selector Button and Clip Assembly, L	131963	131963	
Selector Button and Clip Assembly, M	131964	131964	
Selector Button and Clip Assembly, N	131965	131965	
Selector Button and Clip Assembly, P	131966	131966	
Selector Button and Clip Assembly, Q	131967	131967	
Selector Button and Clip Assembly, R	131968	131968	
Selector Button and Clip Assembly, S	131969	131969	
Selector Button and Clip Assembly, T	131970	131970	
Selector Button and Clip Assembly, U	131971	131971	
Selector Button and Clip Assembly, V	131972	131972	
Cap Only	131900	131900	131900
Insert	131901	131901	131901
Clip Only	131909	131909	131909
2. Button and Clip Assembly, Reset	138249	138249	138249
3. Stop Bracket	138250	138250	138250
Switch and Wire Assembly	138248	138248	138248
4. Selector Button and Clip Assembly, 1	131973	131973	131973
Selector Button and Clip Assembly, 2	131974	131974	131974
Selector Button and Clip Assembly, 3	131975	131975	131975
Selector Button and Clip Assembly, 4	131976	131976	131976
Selector Button and Clip Assembly, 5	131977	131977	131977
Selector Button and Clip Assembly, 6	131978	131978	131978
Selector Button and Clip Assembly, 7	131979	131979	131979
Selector Button and Clip Assembly, 8	131980	131980	131980
Selector Button and Clip Assembly, 9	131981		131981
Selector Button and Clip Assembly, 0	131982		131982
Cap Only	131900	131900	131900
Insert	131901	131901	131901
Clip Only	131909	131909	131909
Complete Set Selector Button and Clip Assembly	131953A	131953C	131953B
5. Mounting Plate	138190	138190	138191
6. Light Diffuser	138244	138244	138246
7. Light Diffuser	138245	138245	138247
8. Selector Switch - Numbers	138157	138156	138158
9. Gusset, R. H.	138251	138251	138251
10. Electric Counter	134192	134192	134192
11. Receptacle - 9W	131173	131173	131173
Contact Terminal (7)	132001	132001	132001
12. Crank and Link Assembly	111720	111720	111720
Retaining Ring	73724-15	73724-15	73724-15
Retaining Ring	73724-18	73724-18	73724-18
ALL MODELS			
13. Latch Solenoid		112104	
Plunger, Solenoid		112104-1	
Pin, Solenoid Plunger		65947	
Washer		487	
Cotter Pin		23355	
14. Mounting Bracket, Latch Solenoid		117747	
Washer		54024	
15. Switch Assembly		60518	
Retainer Plate		63014	
Mounting Bracket		121005	

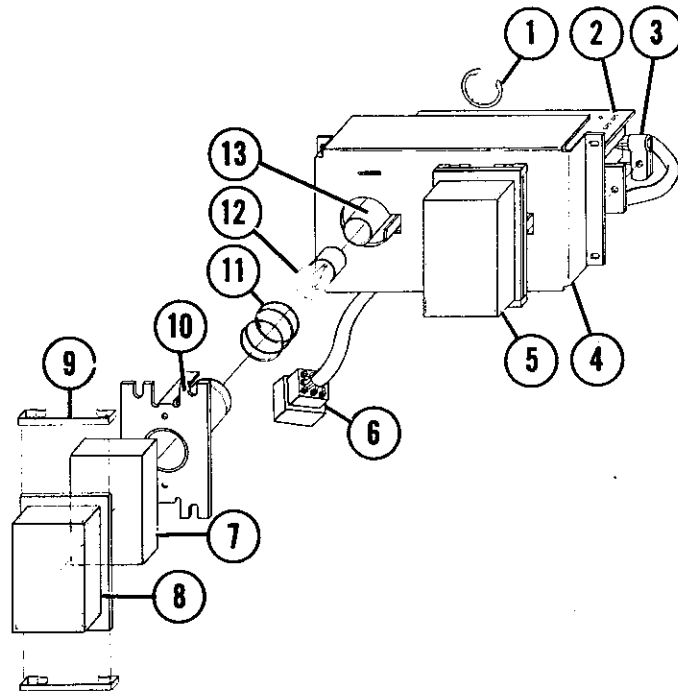
(Cont'd. page 8B)

SECTION B

ILLUSTRATED PARTS LIST CON'T

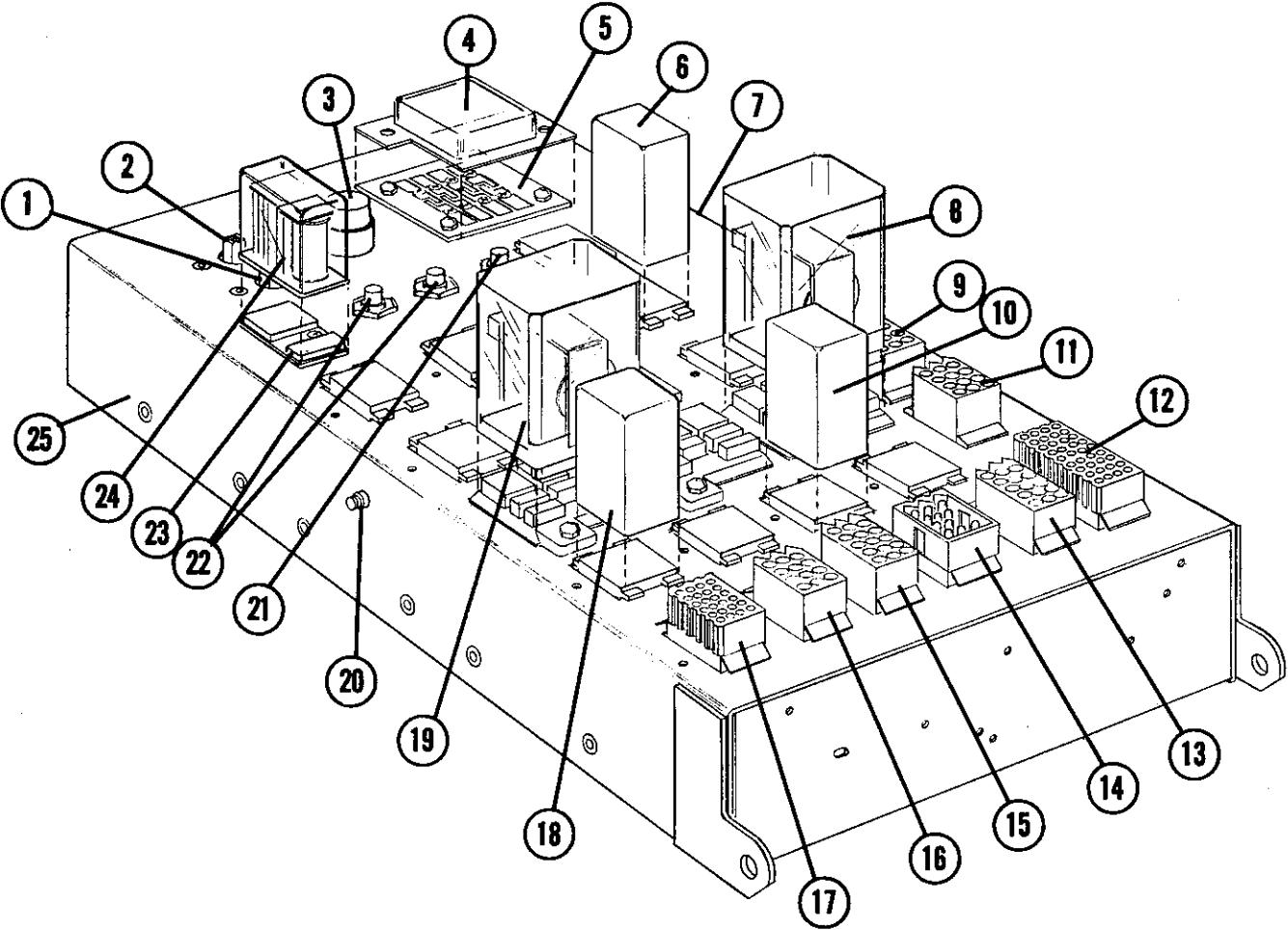
ALL
MODELS

16.	Switch and Bracket Assembly, Series, Numbers	111810
	Switch Assembly	64981
	Retainer Plate	63014
	Mounting Bracket	111746
17.	Switch and Bracket Assembly, Latch Solenoid	134396
	Switch Assembly	134397
	Retainer Plate	63014
	Mounting Bracket	125402
	Washer	73608 -45
18.	Latch Lever, Numbers	65009
	Washer	73608 -45
19.	Trip Lever, Right Hand, Numbers	117694
	Stop Nut, 10-32	74988 -14
	Washer (2)	67610
	Washer	56773
	Spring, Trip Lever, Right Hand	57129
20.	Trip Lever, Left Hand, Letters	117691
	Spacer	57790
	Spring, Trip Lever, Left Hand	120067
21.	Switch and Bracket Assembly, Series, Letters	66007
	Switch Assembly	64982
	Retainer Plate	63014
	Mounting Bracket	64991
22.	Switch Assembly	60518
	Retainer Plate	63014
	Mounting Bracket	121005
23.	Cover and Clip Assembly	138571
24.	Release Lever	129102
	Washer	56773
	Spring, Solenoid Return	57130
25.	Latch Lever, Letters	117695
	Washer	73608 -45
26.	Stop Bracket	56628
	Washer (2)	27787
	Rubber Grommet	117689
27.	Switch, L. P. Conversion (2)	62886
28.	Resistor, 85 ohm, SW	74819 -2
29.	Gusset, L. H.	138252
30.	Plug, Molex, 36	505966
	Pin Terminal (24)	138557
31.	Plug, Molex, 24	657712
	Contact Terminal (21)	138558
32.	Selector Switch, Letters, 3600-3660	138155
	Selector Switch, Letters, 3610	138154
33.	Snap Bushing (2)	74849 -10
34.	Connector Link Plate (2)	126521
	Spacer, Link, Selector Switch (4)	126299
	Spacer, Shoulder Bushing, Link (2)	124040
	Washer	27787
35.	Connector Link (2) 3600-3660	126550
	Connector Link (2) 3610	126551
	Shoulder Bushing, Link (4)	124018
	Washer	42120
36.	Shaft, Link and Lever Assembly	126510
37.	Shaft, Link and Lever Assembly	126507
38.	Clamp	76808 -13



SUPPORT BUTTON AND CABLE ASSEMBLY ILLUSTRATED PARTS LIST

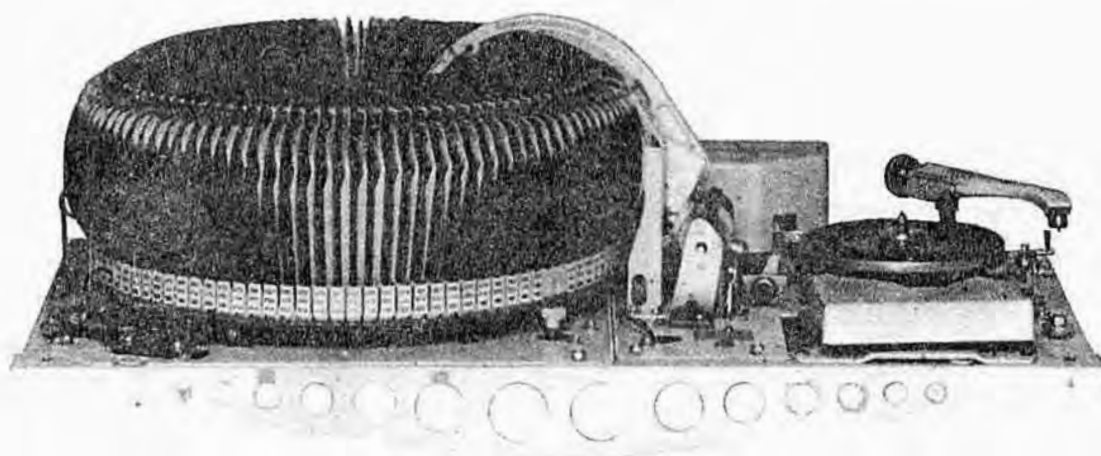
1.	Retaining Ring (2)	73728-75	7.	Insert, Blank, Gold	134835
2.	Switch	136176	8.	Button	138944
3.	Cable Clamp	73804-4		Insert, Button	138655
4.	Guide Plate and Support Housing Assembly	138495	9.	Retainer (4)	138814
5.	Button	138944	10.	Mounting Plate and Plunger Assembly (2)	134756
	Insert, Button	138654	11.	Spring (2)	134841
	Insert, Blank, Red	134836	12.	Bulb, No. 51 (2)	37987
6.	Plug, 9	131174	13.	Light Socket and Wire Assembly (2)	134812
	Pin Terminal (8)	132000			



CONTROL BOX ASSEMBLY ILLUSTRATED PARTS LIST

1. Switch, Slide	138894	19. Relay, A.C.	138732
2. Switch, Slide	116723	Receptacle and Paint Assembly	
3. Fuse Post	126853	(Large)	138735
Lockwasher	73607-13	20. Pin, Fall Support	137083
Fuse, 8 A, Slo Blo	71591 -34	Retaining Ring	73724 -18
4. Cover, Printed Board, Control Box	138744	21. Circuit Breaker	128801
5. Printed Board, Control Box	138742	22. Circuit Breaker (2)	136797
6. Relay, Red (RY-12)	122366	23. Receptacle, Relay, 6 Pole	138719
Holddown Spring	134840	24. Relay, 6 Pole	138716
Receptacle, Relay, Red	137337	25. Control Box Assembly Components	
Terminal, Relay Socket	136335	Not Illustrated:	
7. Receptacle, 12 W (not shown)	131175	Mounting Bracket	138727
Receptacle, 15 W (not shown)	131188	Printed Board Assembly, Standard	138895
Contact Terminal	132001	Printed Board Assembly, LP	138898
Jumper Plug Assembly, Stepper	138511	Printed Board Assembly,	
8. Relay, D.C. (Large) (2)	138733	LP and Pre-Select	138900
Holddown Spring, Relay (Large) (2)	138734	Rectifier, Silicon, 3A, 300 P.I.V.	71588 -21
Receptacle, Relay (Large) (2)	138731	Diode, .75 A, 400 P.I.V.	76700 -23
9. Receptacle, 9 R	131931	Printed Board and Wire Assembly	138746
Contact Terminal	132001	Printed Board Assembly	138666
10. Relay, White (RY-2, RY-3, RY-4, RY-6,		Zenner Diode	128449
RY-7, RY-21, RY-22, RY-23		Transistor, NPN (2)	137480
and RY-24)	122133	Transistor, UNI	132650
Holddown Spring, Relay	134480	Rectifier, Silicon, 3A, 300 P.I.V.	71588 -21
Receptacle, Relay, White	136336	Diode, .75A, 400 P.I.V. (3)	76700 -23
Terminal, Relay Socket	136335	Capacitor, 100 MFD., 6V	76686 -132
11. Receptacle, 12 R	131929	Capacitor, 470 MFD., 50V	77513 -6
Contact Terminal	132001	Capacitor, 25 MFD., 12V	76677 -133
12. Receptacle, 36 Min.	505965	Capacitor, 50 MFD., 12V	76681 -133
Contact Terminal	138558	Resistor, 150K, 5%, 1/4 W	77345 -25
13. Receptacle, 15 R	131892	Resistor, 10K, 5%, 1/4 W	77317 -25
Contact Terminal	132001	Resistor, 5.6K, 5%, 1/4 W (2)	77311 -25
14. Plug, 12 B	136791	Resistor, 1K, 5%, 1/4 W	77293 -25
Pin Terminal	132000	Resistor, 100 Ohm, 5%, 1/4 W (2)	77269 -25
15. Receptacle, 15 W	131888	Resistor, 56 Ohm, 5%, 1/4 W	77263 -25
Contact Terminal	132001	Resistor, 680 Ohm, 10%, 1W	72332 -32
16. Receptacle, 12 W	131175	Resistor, 1.2 Ohm, 5%, 1W	74478 -31
Contact Terminal	132001	Resistor, 50 Ohm, 10%, 5W	74818 -2
17. Receptacle, 24 Min.	657711	Resistor, 330 Ohm, 10%, 1W	72324 -32
Contact Terminal	138588	Resistor, 10 Ohm, 10%, 1W	72288 -32
18. Relay, Yellow (RY-1, RY-11, and RY-20)	137088	Capacitor, 35 MFD., 50V (2)	76356
Receptacle, Relay, Yellow	138730	Capacitor, .47 MFD., 400V	71549 -14
Terminal, Relay, Socket	136335	Capacitor, 4.7 MFD., 80V	77505 -8
		Diode, .75A, 400 P.I.V.	76700 -23

RECORD CHANGER ADJUSTMENTS

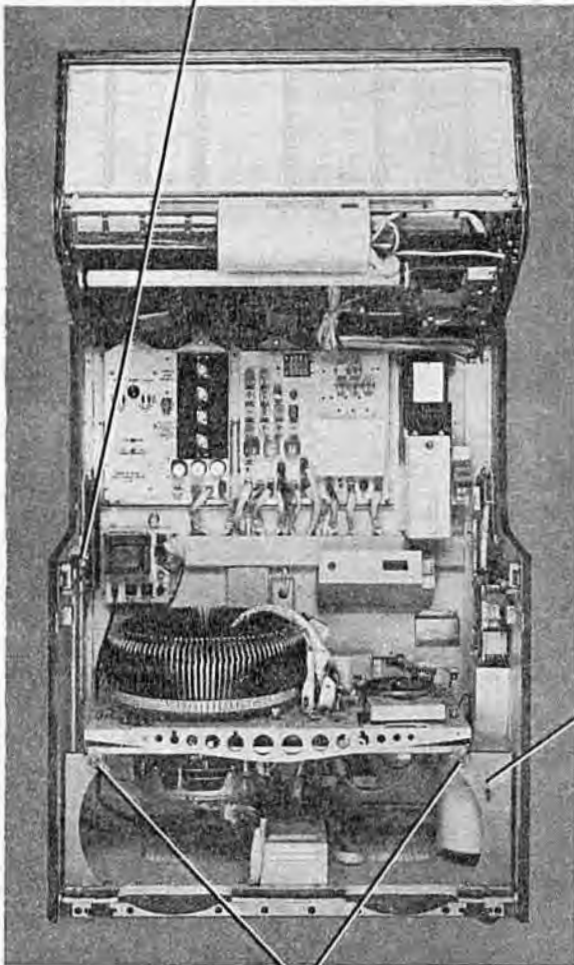


INDEX TO ADJUSTMENTS

Selection Accumulator Adjustment	Page 4C
Shaft and Magnet Arm Assembly Adjustment	Page 4C
Override Assembly Adjustment	Page 5C
Magazine Lock Switch Adjustment	Page 7C
Magazine Drive Motor Adjustment	Page 7C
Side 1 Cancel Solenoid Adjustment	Page 8C
Digital Record Now Playing Indicator Adjustment	Page 8C
Side 1 and 2 Readout Switch Adjustment	Page 9C
Safety Switch Adjustment	Page 11C
Bail and Bushing Assembly Clearance Adjustment	Page 11C
Main Cam Motor Brake Adjustment	Page 11C
Transfer Switch Adjustment	Page 12C
Cancel Switch Adjustment	Page 13C
Record Takeout Arm Alignment	Page 13C
Playmeter Reset Magnet Adjustment	Page 13C
Side 1 Shift Adjustment	Page 14C
Turn Arm Holdout Cam Adjustment	Page 15C
Record Takeout Arm Turn Adjustment	Page 15C
Record Takeout Arm Stop Adjustment	Page 16C
Turntable Drive Wheel Adjustment	Page 16C
Turntable Speed Change Adjustment	Page 17C
Tone Arm Lift Adjustment	Page 18C
Stylus Brush Adjustment	Page 18C
Tone Arm Release Adjustment	Page 19C
Tone Arm Feed-In and Trip Switch Adjustment	Page 19C
Play Switch Adjustment	Page 20C
Stylus Pressure Adjustment	Page 20C
Turntable Pilot Reset Adjustment	Page 21C
Safety Circuit Adjustment	Page 21C

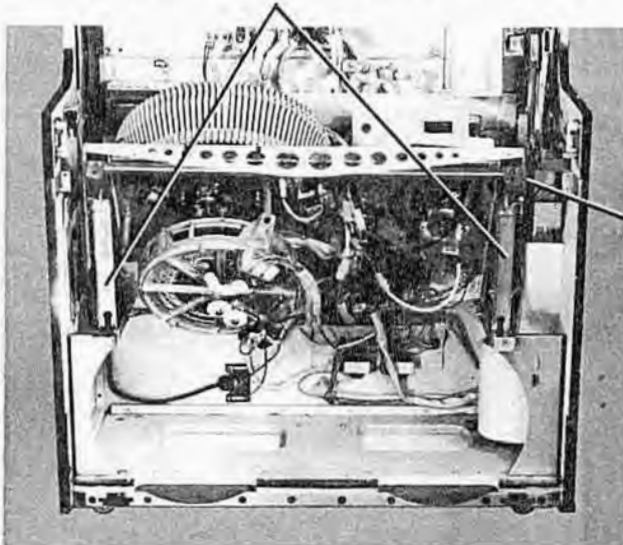
The following procedure will provide access to the lower side of the RECORD CHANGER:

- A. Unlock and raise the UPPER DOOR ASSEMBLY to its full height.
- B. Lift the SERVICE DOOR LATCHES on both sides of the cabinet.



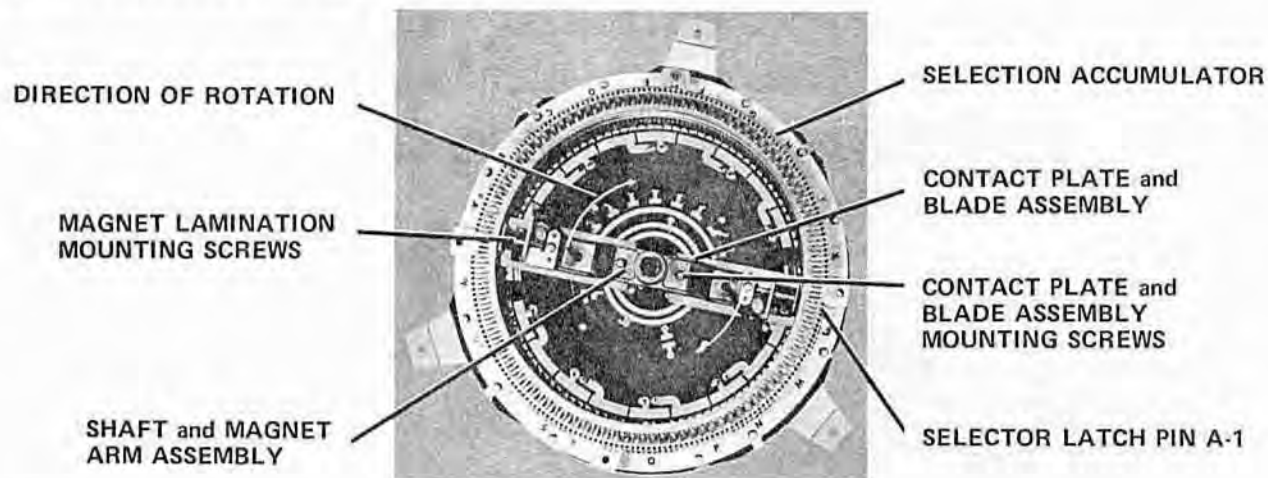
- C. Disconnect the SERVICE DOOR SPEAKER and LAMP PLUGS'....
- D. Unhook the two SERVICE DOOR FALL SUPPORT CHAINS at the cabinet end. Lift the SERVICE DOOR out of the cabinet.

- E. Remove the two WING NUTS to free the RECORD CHANGER;
- F. Pull the RECORD CHANGER forward, then lift the front of the RECORD CHANGER. The spring loaded FALL SUPPORTS will drop into position to support the RECORD CHANGER.



- G. To return the RECORD CHANGER to its normal operating position, lift the front of the RECORD CHANGER then depress the FALL SUPPORT EXTENSIONS and lower the RECORD CHANGER. Push the RECORD CHANGER back to its normal operating position and reinstall the two WING NUTS removed in Step E.

SELECTION ACCUMULATOR ADJUSTMENTS

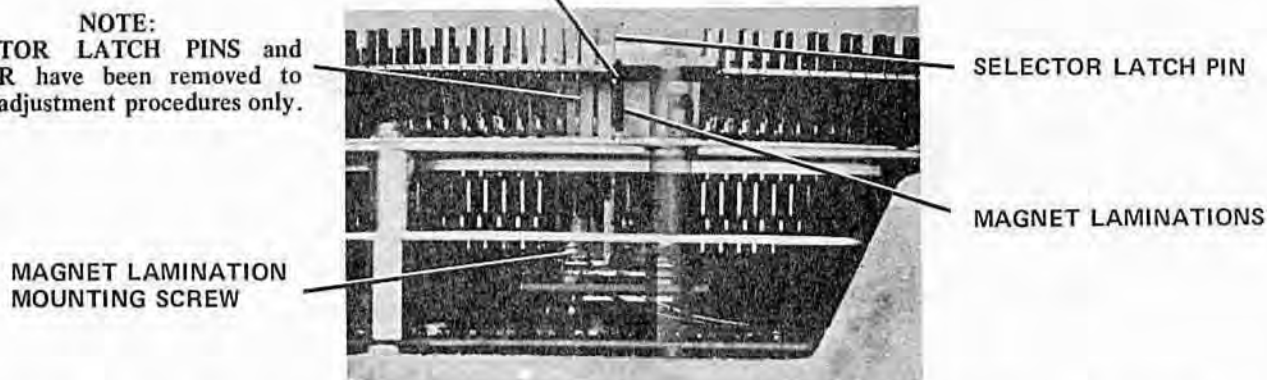


SHAFT AND MAGNET ARM ASSEMBLY ADJUSTMENTS

A. Rotate SHAFT and MAGNET ARM ASSEMBLY in a clockwise direction and vertically align the leading edge of the MAGNET LAMINATIONS with the leading edge of SELECTOR LATCH PIN.

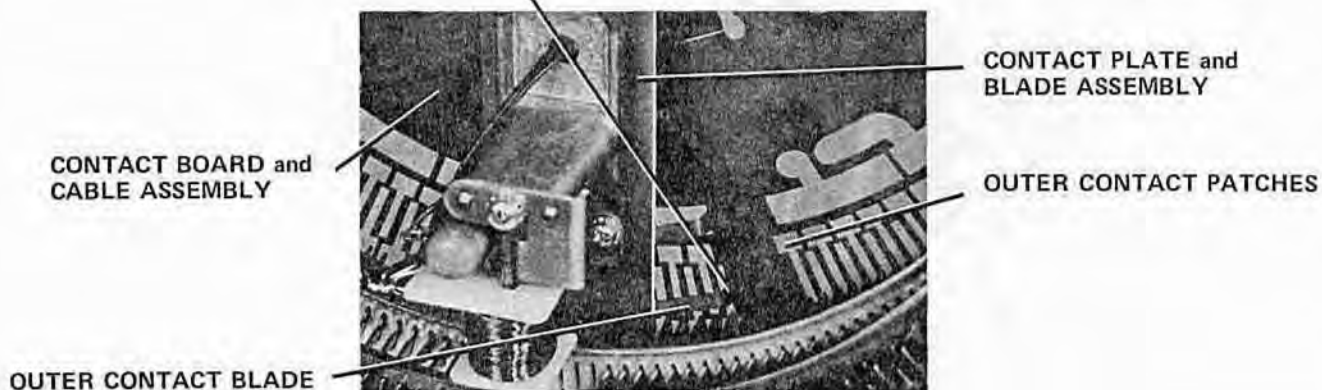
B. If vertical alignment cannot be obtained, loosen MAGNET LAMINATION MOUNTING SCREW and align MAGNET LAMINATIONS to meet requirement of Step A. Tighten MAGNET LAMINATION MOUNTING SCREW.

NOTE:
SELECTOR LATCH PINS and SPACER have been removed to clarify adjustment procedures only.



C. Verify that OUTER CONTACT BLADE is adjacent to leading edge of the OUTER CONTACT PATCH with zero clearance.

D. If requirement of Step C cannot be obtained, loosen CONTACT PLATE and BLADE ASSEMBLY MOUNTING SCREWS and adjust CONTACT PLATE and BLADE ASSEMBLY until the requirement of Step C is met. Tighten CONTACT PLATE and BLADE ASSEMBLY MOUNTING SCREWS.

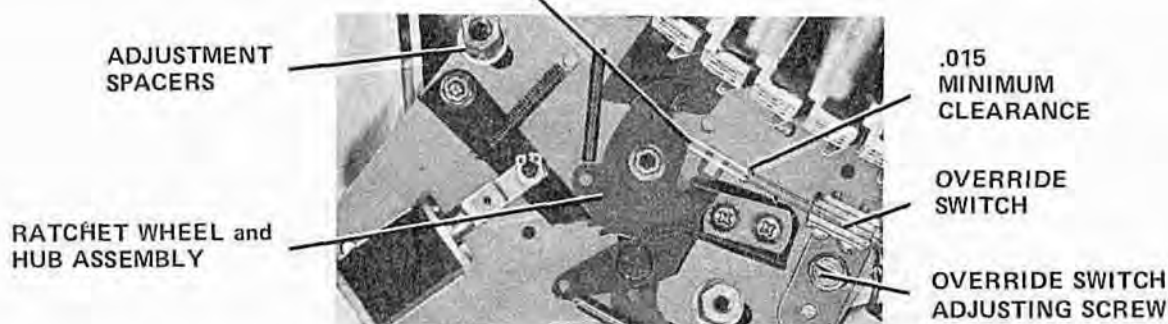


OVERRIDE ASSEMBLY ADJUSTMENTS

Verify that Record Changer is in "Home" position, then position Line Switch to OFF. Remove Cover Plate from Override Assembly; position Line Switch to ON.

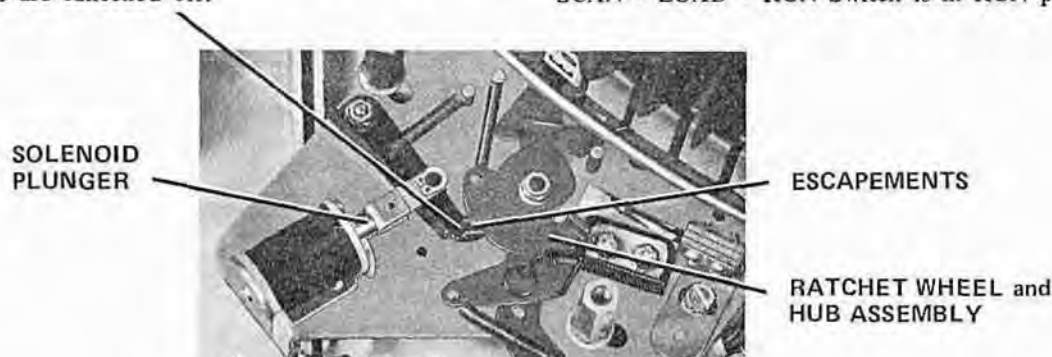
- A. Verify that both escapements of RATCHET WHEEL and HUB ASSEMBLY are cancelled off and OVERRIDE SWITCH is open with .015 MINIMUM CLEARANCE between switch contacts as shown.

- B. Should adjustment be necessary, loosen OVERRIDE SWITCH ADJUSTING SCREW and adjust OVERRIDE SWITCH as required to satisfy requirement of Step A. (Contact pressure to be 15 Grams minimum measured at contacts. Blades may be reformed if necessary.



- C. Verify that all SELECTION ACCUMULATOR LATCH PINS are cancelled off.

- D. Position Service Switch to OFF and verify that SCAN - LOAD - RUN Switch is in RUN position.



- E. Manually actuate SOLENOID PLUNGER to release the two ESCAPEMENTS of RACHET WHEEL and HUB ASSEMBLY as shown.

- F. Slowly rotate RECORD MAGAZINE until Override Cam on the Record Magazine Drive Arm passes Override Hub of the Override Assembly.



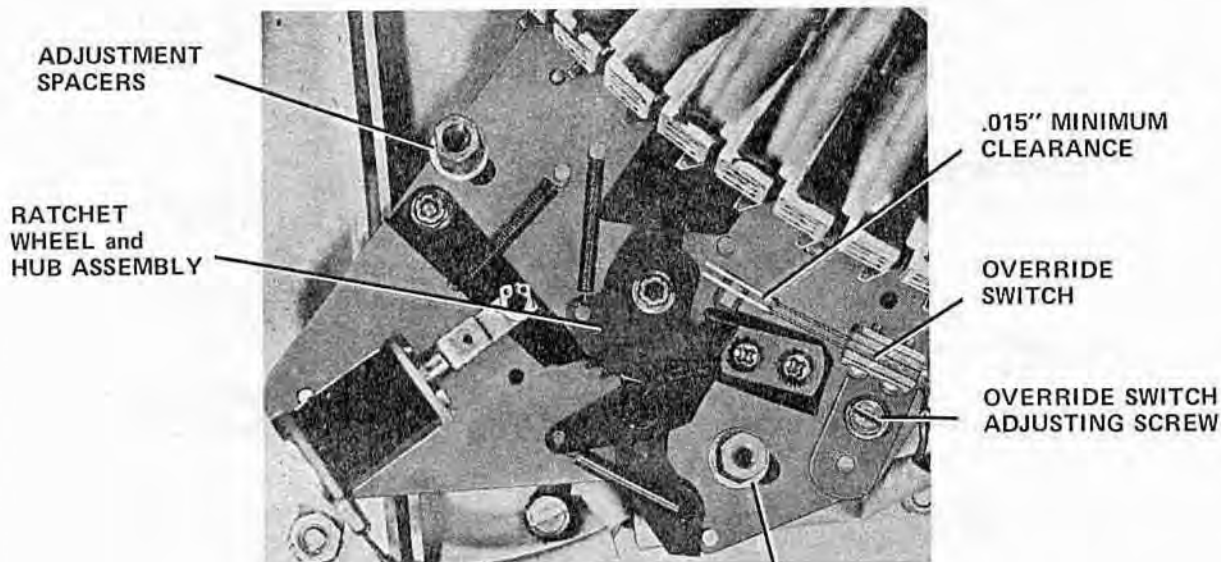
- G. Verify that one ESCAPEMENT on the RATCHET WHEEL and HUB ASSEMBLY cancels off as shown.

- H. Continue to slowly rotate RECORD MAGAZINE until Override Cam on the Record Magazine Drive Arm approaches Override Hub on the Override Assembly for the second time (approaching "Home" position).

SECTION C

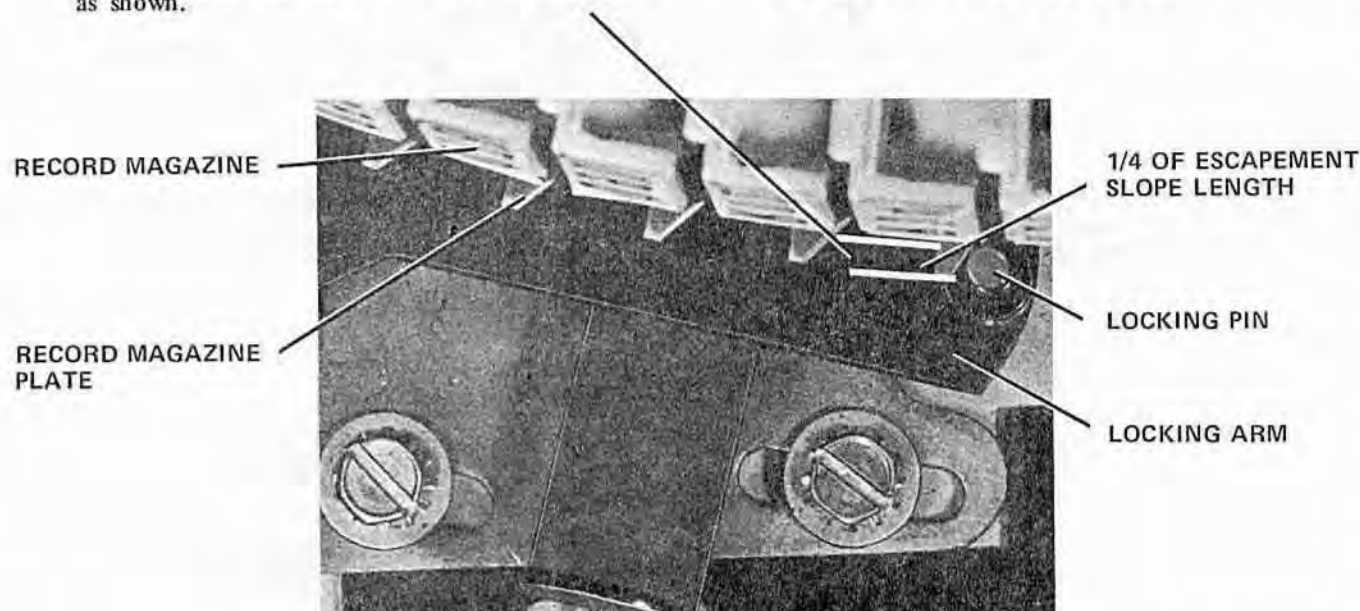
- I. Firmly grasp the RECORD MAGAZINE and continue to slowly rotate the RECORD MAGAZINE until Override Cam on the Record Magazine Drive Arm passes the Override Hub on the Override Assembly. DO NOT release grasp on RECORD MAGAZINE.

- J. Verify that second ESCAPEMENT of RATCHET WHEEL and HUB ASSEMBLY is cancelled off as shown.



- K. Verify that LOCKING PIN of MAGAZINE LOCKING ARM engages proper escapement of RECORD MAGAZINE PLATE 1/4 OF ESCAPEMENT SLOPE LENGTH from top of escapement as shown.

- L. Should adjustment be necessary, loosen Override Assembly ADJUSTMENT SPACERS and adjust Override Assembly to satisfy the requirement of Step K. Tighten ADJUSTMENT SPACERS.

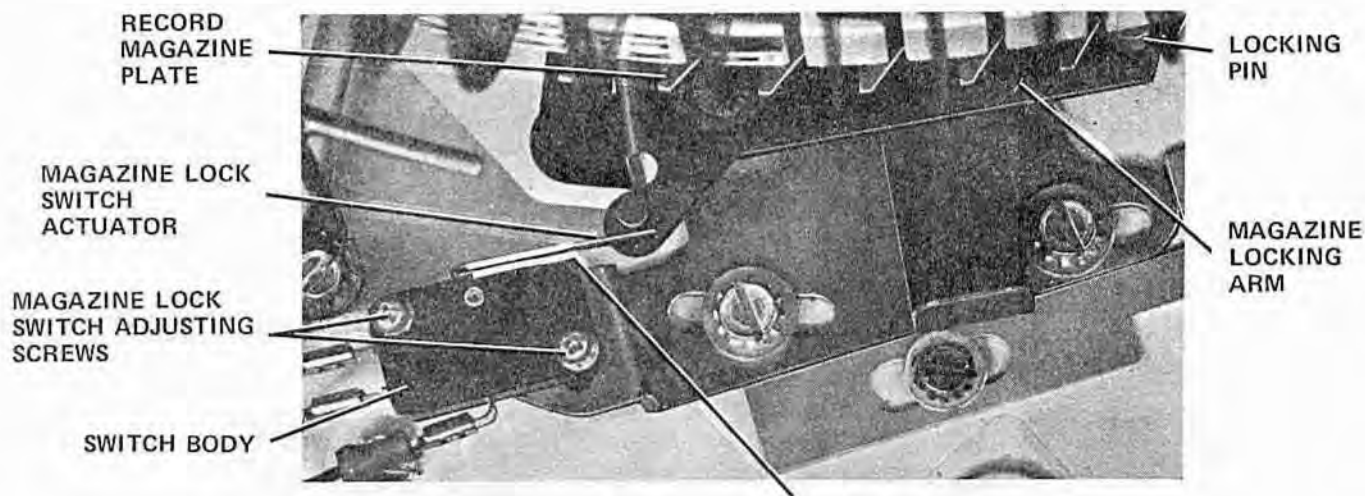


- M. Manually actuate SOLENOID PLUNGER to release both ESCAPEMENTS of the RATCHET WHEEL and HUB ASSEMBLY then position Service Switch to ON.

- N. Verify that RECORD MAGAZINE makes two complete revolutions and stops in "Home" position (RECORD TAKEOUT ARM one escapement clockwise from A - 1 record slot).

MAGAZINE LOCK SWITCH ADJUSTMENT

- A. Verify that LOCKING PIN of MAGAZINE LOCKING ARM is fully engaged with RECORD MAGAZINE PLATE as shown.
- B. With MAGAZINE LOCK SWITCH actuated, clearance between MAGAZINE LOCK SWITCH ACTUATOR and SWITCH BODY should be $1/64$ ".

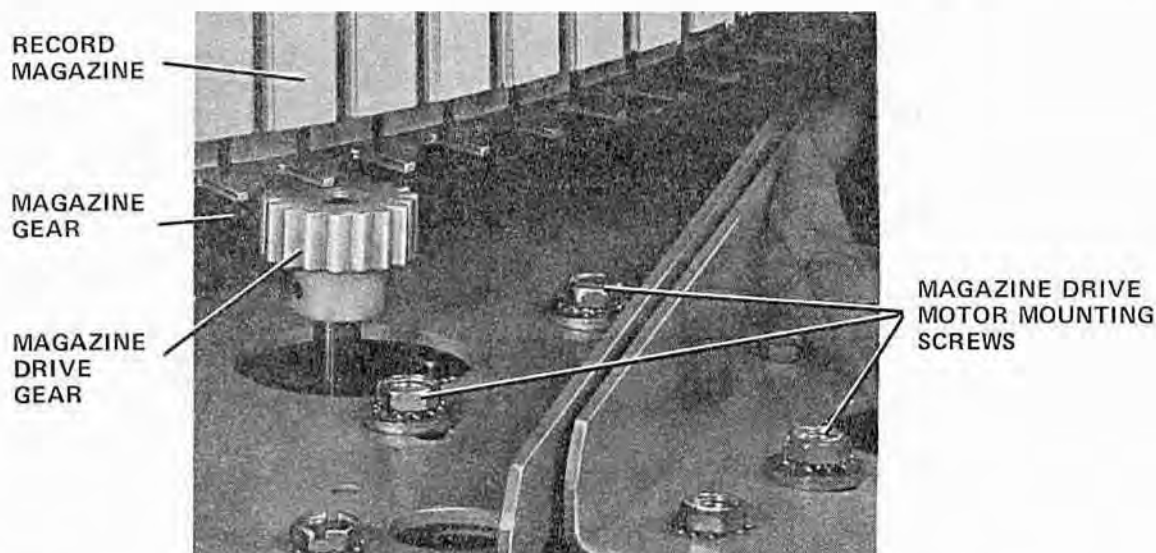


$1/64$ " CLEARANCE

- C. Should adjustment be necessary, loosen MAGAZINE LOCK SWITCH MOUNTING SCREWS and adjust MAGAZINE LOCK SWITCH as required to satisfy requirement of Step B. Tighten MAGAZINE LOCK SWITCH MOUNTING SCREWS.

MAGAZINE DRIVE MOTOR ADJUSTMENT

- A. Position Service Switch to OFF. Select any convenient selection from SELECTOR SWITCH, then manually cancel LATCH PIN selected.
- B. Manually rotate RECORD MAGAZINE two complete revolutions and check meshing of MAGAZINE DRIVE GEAR and RECORD MAGAZINE GEAR.



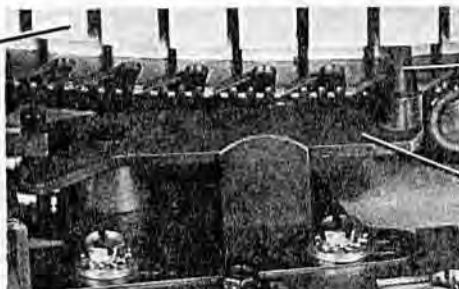
- C. Should adjustment be necessary, loosen MAGAZINE DRIVE MOTOR MOUNTING SCREWS and adjust motor as required to satisfy requirements of Step B. Tighten MAGAZINE DRIVE MOTOR MOUNTING SCREWS.

SIDE 1 CANCEL SOLENOID ADJUSTMENT

Prior to making the following adjustments, verify that the RECORD MAGAZINE is in "Home" position then position the Service Switch to OFF.

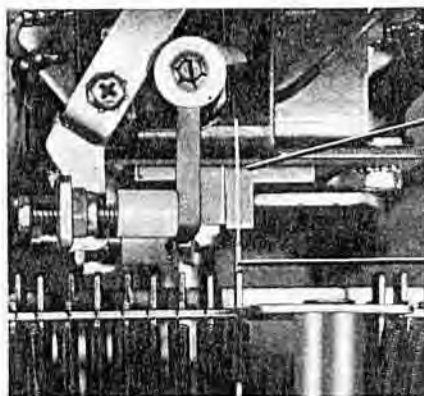
- A. Manually position the RECORD MAGAZINE so that Selection A-1 is centered directly beneath the RECORD TAKEOUT ARM.
- B. Verify that LOCKING PIN of MAGAZINE LOCKING ARM is fully engaged with RECORD MAGAZINE PLATE escapements as shown.

RECORD MAGAZINE
PLATE



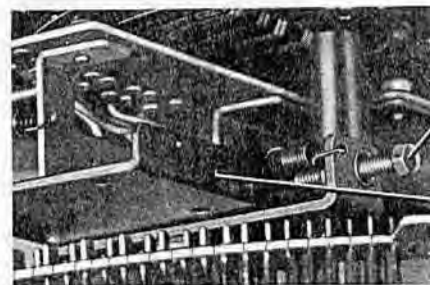
LOCKING PIN

MAGAZINE
LOCKING ARM



SIDE 1 CANCEL
SOLENOID
PLUNGER

LATCH PIN A-1



READOUT
ARM
ADJUSTING
SCREW

READOUT
ARM

- C. Manually release LATCH PIN A-1. Verify that SIDE 1 CANCEL SOLENOID PLUNGER is centered \pm or $- 1/64$ " over LATCH PIN A-1.
- D. Should adjustment be necessary, carefully turn READ-OUT ARM ADJUSTING SCREW in or out to satisfy the requirement of Step C. Return RECORD MAGAZINE to "Home" position.

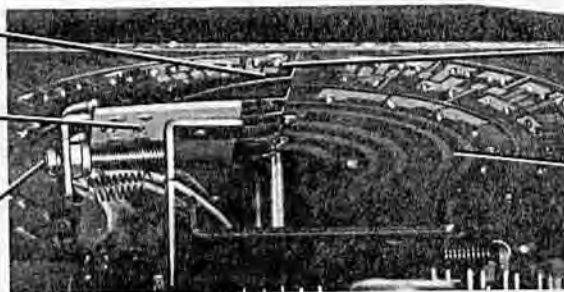
DIGITAL RECORD NOW PLAYING INDICATOR ADJUSTMENT

- A. Verify that Record Changer is in "Home" position. Select L-1. When selected record is in "Play" position, position Service Switch OFF.
- B. Verify that Digital Indicator displays selection L-1 and that OUTER BLADE of CONTACT PLATE and BLADE ASSEMBLY is centered on L-1 PATCH of CONTACT BOARD and WIRE ASSEMBLY.

OUTER BLADE

CONTACT PLATE and
BLADE ASSEMBLY

CONTACT PLATE and
BLADE ASSEMBLY
ADJUSTING SCREW



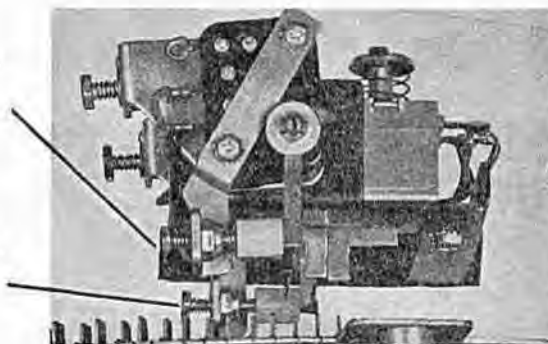
L-1 PATCH

CONTACT BOARD and
WIRE ASSEMBLY

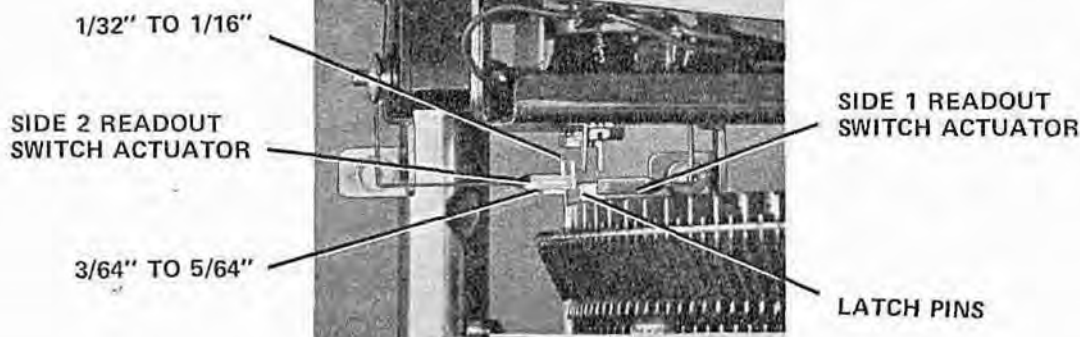
- C. Should adjustment be necessary, adjust CONTACT PLATE and BLADE ASSEMBLY ADJUSTING SCREW as required to satisfy the requirement of Step C.
- D. Position Service Switch to ON, cancel selected record and allow Record Changer to return to "Home" position.

SIDE 1 AND 2 READOUT SWITCH ADJUSTMENTS

- A. Verify that Record Changer is in "Home" position and all LATCH PINS are canceled off.
- B. Establish credit for record selection then position Service Switch to OFF.
- C. Select A-1 and A-2 (B-1 On Model 3660). Manually cancel selected LATCH PINS.
- D. Verify that MAGAZINE LOCK SOLENOID is activated.
- E. Turn SIDE 1 PRETRAVEL ADJUSTMENT SCREW in until MAGAZINE LOCK SOLENOID deactivates. Back out SIDE 1 PRETRAVEL ADJUSTMENT SCREW until MAGAZINE LOCK SOLENOID activates plus one additional full turn.
- F. Turn SIDE 2 PRETRAVEL ADJUSTMENT SCREW in until MAGAZINE LOCK SOLENOID deactivates. Back out SIDE 2 PRETRAVEL ADJUSTMENT SCREW until MAGAZINE LOCK SOLENOID activates plus one additional full turn.

SIDE 2 PRETRAVEL
ADJUSTMENT
SCREWSIDE 1 PRETRAVEL
ADJUSTMENT
SCREW

- G. Select D-1 and D-2 (L-2 and M-2 on Model 3660). Position Line Switch to OFF.
- H. Manually rotate RECORD MAGAZINE to position READOUT SWITCH ACTUATORS close to, but not touching, selected LATCH PINS.



- I. Bottom edge of ACTUATORS should be $\frac{3}{64}$ " to $\frac{5}{64}$ " below top of selected LATCH PINS.
- J. Ends of ACTUATORS should overlap edge selected LATCH PINS $\frac{1}{32}$ " to $\frac{1}{16}$ ".

NOTE:

Should adjustment be necessary to satisfy requirements of Steps I and J, ACTUATORS may be reformed.

- K. Manually rotate RECORD MAGAZINE to "Home" position and manually cancel selected LATCH PINS.
- L. Position Line Switch to ON and select A-1.

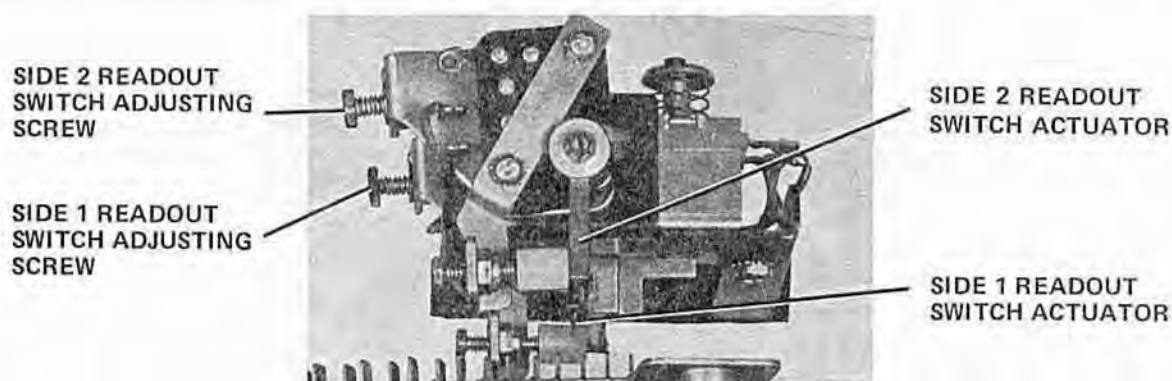
- M. Observe LOCKING PIN and slowly rotate RECORD MAGAZINE until SIDE 1 READOUT SWITCH actuates, releasing LOCKING PIN which should strike escapement of RECORD MAGAZINE PLATE at 1/4 of ESCAPEMENT SLOPE LENGTH from top of escapement as shown.

- N. Verify that RECORD MAGAZINE is in position to play selection A-1.



- O. Should adjustment be necessary, adjust SIDE 1 READOUT SWITCH ADJUSTING SCREW as required to satisfy requirements of Steps M and N. Turn ADJUSTING SCREW in to retard switch actuation and out to advance switch actuation.

- P. Manually cancel LATCH PIN. Position Phonograph Line Switch to OFF. Repeat Steps L, M, N and O to verify proper operation of SIDE 1 READOUT SWITCH.



- Q. Manually cancel LATCH PIN. Position Line Switch to OFF, then ON.

- R. Select A-2 (B-1 on Model 3660). Observe LOCKING PIN and slowly rotate RECORD MAGAZINE until SIDE 2 READOUT SWITCH actuates, releasing LOCKING PIN which should strike escapement of RECORD MAGAZINE PLATE at 1/4 of ESCAPEMENT SLOPE LENGTH from top of escapement.

- S. Verify that RECORD MAGAZINE is in position to play selection A-2 (B-1 on Model 3660).

- T. Should adjustment be necessary, adjust SIDE 2 READOUT SWITCH ADJUSTING SCREW as required to satisfy requirements of Steps R and S. Turn ADJUSTING SCREW in to retard switch actuation and out to advance switch actuation.

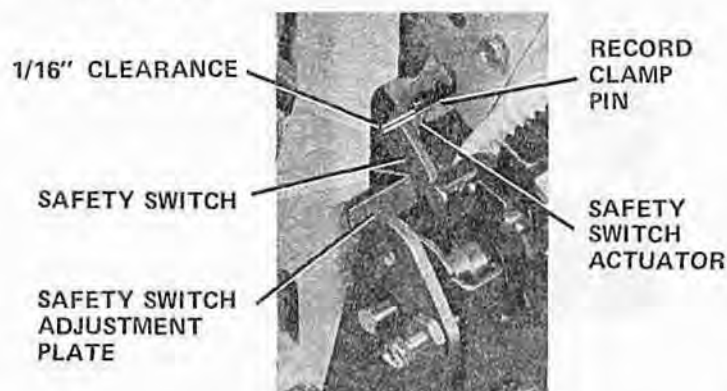
- U. Manually cancel LATCH PIN. Position Line Switch to OFF, then ON. Repeat Steps R, S and T to verify proper operation of SIDE 2 READOUT SWITCH.

- V. Check position of SIDE 1 and SIDE 2 READOUT SWITCH ACTUATORS. ACTUATORS must not come to rest over a LATCH PIN.

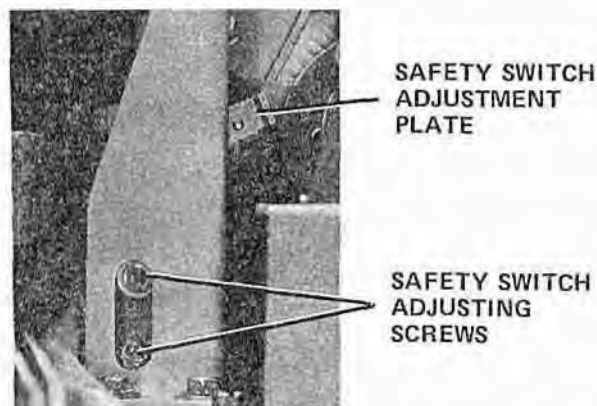
- W. Should adjustment be necessary, turn appropriate PRETRAVEL ADJUSTMENT SCREW slowly counterclockwise until the requirement of Step V is satisfied.

SAFETY SWITCH ADJUSTMENT

- A. With Record Changer in "Home" position, manually bottom SAFETY SWITCH ACTUATOR against switch body. There should be $1/16$ " CLEARANCE between SAFETY SWITCH ACTUATOR and CLAMP PIN.

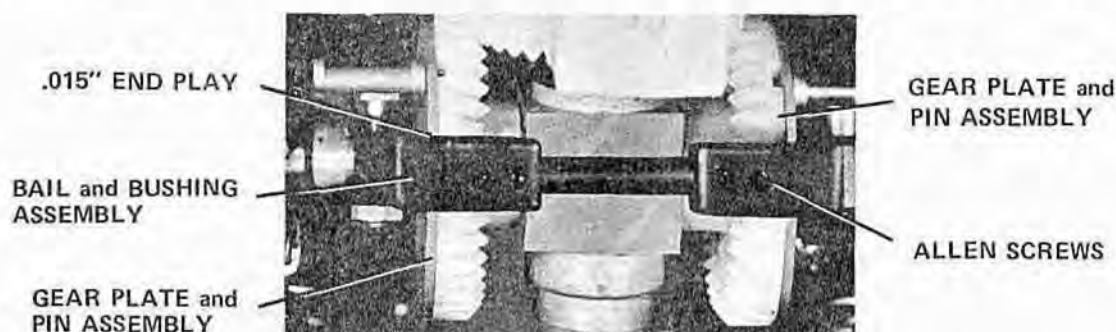


- B. Should adjustment be necessary, loosen SAFETY SWITCH ADJUSTING SCREWS and adjust SAFETY SWITCH as required to satisfy requirement of Step A. Tighten SAFETY SWITCH ADJUSTING SCREWS.



BAIL AND BUSHING ASSEMBLY CLEARANCE ADJUSTMENT

- A. With RECORD TAKEOUT ARM in "Home" position, there should be .015" END PLAY between BAIL and BUSHING ASSEMBLY and GEAR PLATE and PIN ASSEMBLIES.

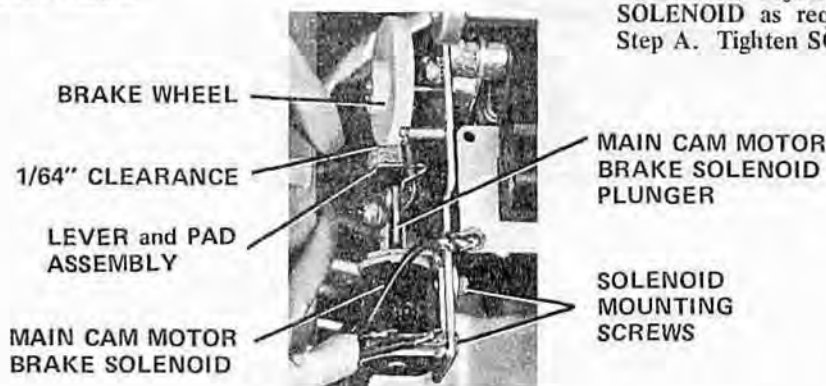


- B. Should adjustment be necessary, loosen ALLEN SCREWS on either side of BAIL and BUSHING ASSEMBLY and adjust loosened side to satisfy requirement of Step A. Tighten ALLEN SCREWS.

MAIN CAM MOTOR BRAKE ADJUSTMENT

Prior to making the following adjustment, verify that Record Changer is in "Home" position, then position Service Switch to OFF.

- A. Manually actuate MAIN CAM MOTOR BRAKE SOLENOID PLUNGER. There should be $1/64$ " CLEARANCE between LEVER and PAD ASSEMBLY and BRAKE WHEEL.

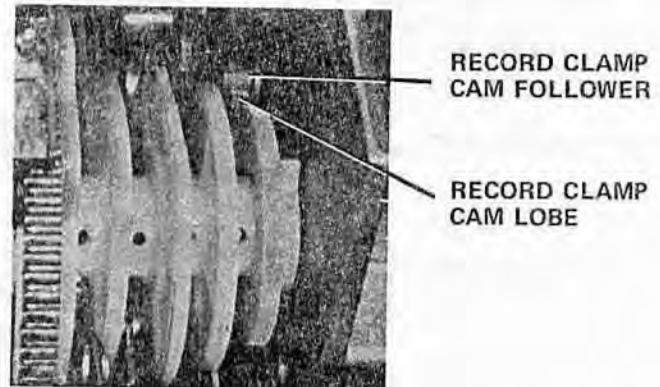


- B. Should adjustment be necessary, loosen SOLENOID MOUNTING SCREWS, then while manually actuating MAIN CAM MOTOR BRAKE SOLENOID PLUNGER, adjust MAIN CAM MOTOR BRAKE SOLENOID as required to satisfy requirement of Step A. Tighten SOLENOID MOUNTING SCREWS.

TRANSFER SWITCH ADJUSTMENT

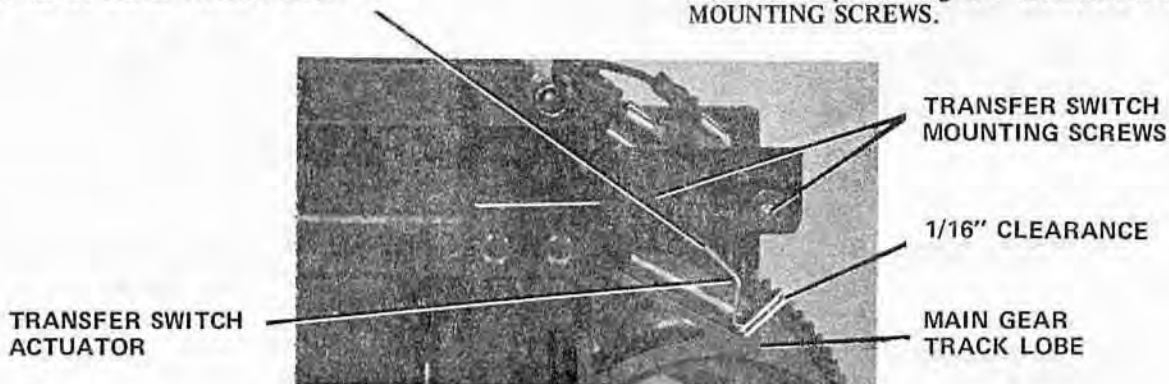
Verify that a record is in "Play" position. Cancel record and immediately upon record entering RECORD MAGAZINE, position Service Switch to OFF.

- A. Position Service Switch to ON and cycle CAM and GEAR ASSEMBLY until RECORD CLAMP CAM FOLLOWER reaches the peak of RECORD CLAMP CAM LOBE as shown, then position Service Switch to OFF.



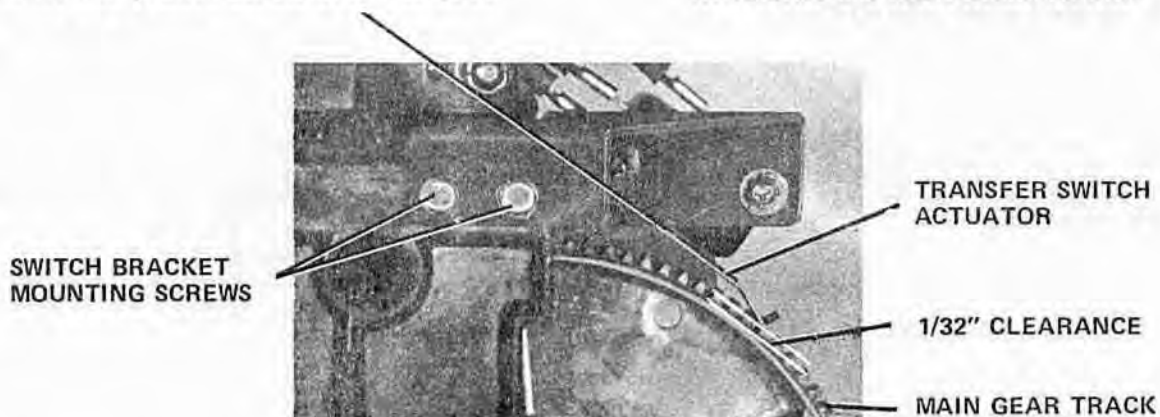
- B. Manually position TRANSFER SWITCH ACTUATOR as shown. There should be 1/16" CLEARANCE between tip of TRANSFER SWITCH ACTUATOR and MAIN GEAR TRACK LOBE.

- C. Should adjustment be necessary, loosen TRANSFER SWITCH MOUNTING SCREWS and adjust TRANSFER SWITCH as required to satisfy requirement of Step B. Tighten TRANSFER SWITCH MOUNTING SCREWS.



- D. Position Service Switch to ON and cycle CAM and GEAR ASSEMBLY until TRANSFER SWITCH ACTUATOR is riding on MAIN GEAR TRACK as shown, then position Service Switch to OFF.

- E. Manually bottom TRANSFER SWITCH ACTUATOR against switch body. There should be 1/32" CLEARANCE between TRANSFER SWITCH ACTUATOR and MAIN GEAR TRACK.



- F. Should adjustment be necessary, loosen SWITCH BRACKET MOUNTING SCREWS, making sure that horizontal positioning is maintained, then adjust SWITCH BRACKET as required to satisfy requirement of Step E. Tighten SWITCH BRACKET MOUNTING SCREWS.

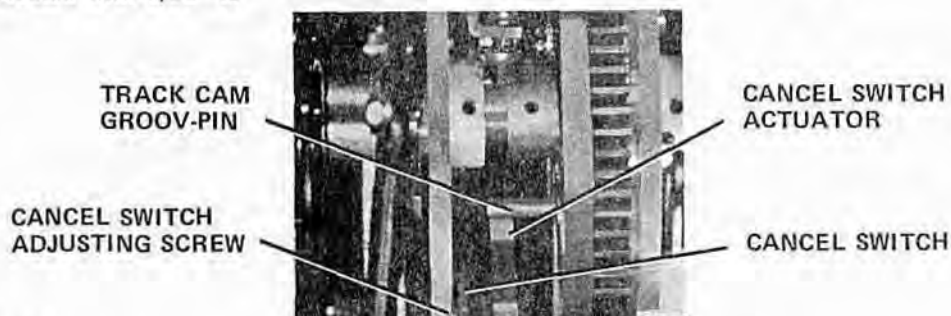
- G. Position Service Switch to ON and cycle CAM and GEAR ASSEMBLY. Verify that each time TRANSFER SWITCH ACTUATOR falls into recess of MAIN GEAR TRACK, switch actuates.

CANCEL SWITCH ADJUSTMENT

Prior to making the following adjustment, position **SERVICE SWITCH** to OFF and verify that **SCAN-LOAD-RUN SWITCH** is in RUN position. Make a record selection.

- A. Utilizing Service Switch cycle **CAM** and **GEAR ASSEMBLY** until **TRACK CAM GROOV-PIN** is on the peak of **CANCEL SWITCH ACTUATOR**. Verify that **CANCEL SWITCH** has actuated with $1/32''$ to $3/64''$ overtravel.

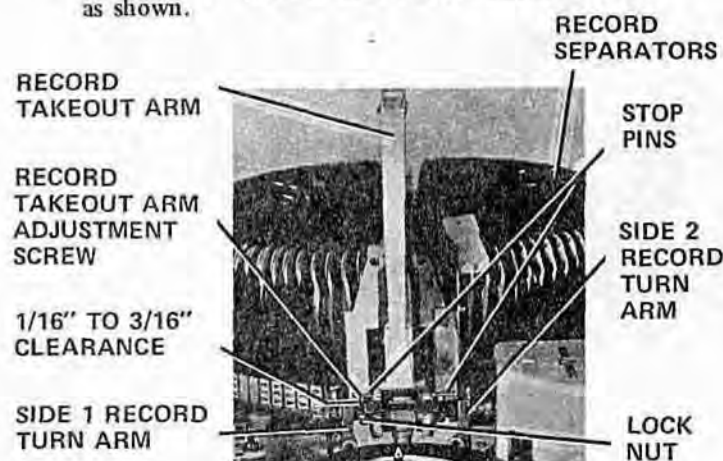
- B. Should adjustment be necessary, loosen **CANCEL SWITCH ADJUSTING SCREW** and adjust **CANCEL SWITCH** to satisfy the requirement of Step A.



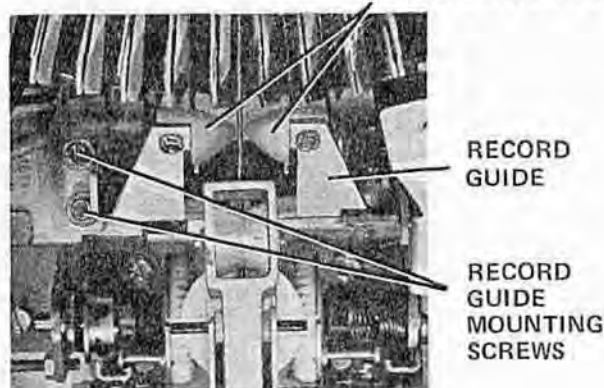
RECORD TAKEOUT ARM ALIGNMENT

- A. Select a record that is known to be flat. Utilizing Service Switch, stop **RECORD TAKEOUT ARM** when **STOP PINS** of **GEAR** and **PLATE ASSEMBLIES** are approximately $1/16''$ to $3/16''$ from **RECORD TURN STOP ASSEMBLIES**. Verify that record is centered between "V" portion of **RECORD SEPARATORS** as shown.

- B. Should adjustment be necessary, loosen **LOCK NUT** and adjust **RECORD TAKEOUT ARM ADJUSTMENT SCREW** as required to satisfy requirement of Step A. Tighten **LOCK NUT**.



RECORD GUIDE TIPS



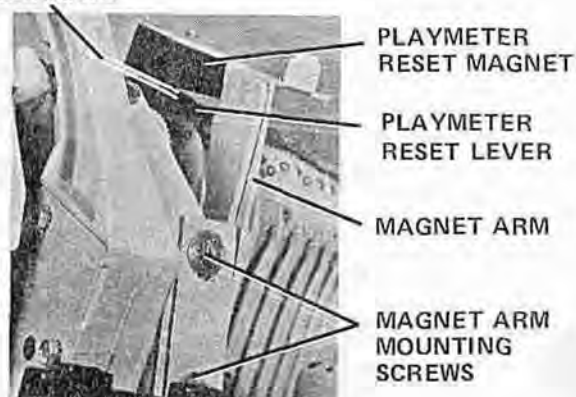
- C. Verify that selected record is centered between **RECORD GUIDE TIPS** as shown.

- D. Should adjustment be necessary, loosen **RECORD GUIDE MOUNTING SCREWS** and adjust **RECORD GUIDE** as necessary to satisfy requirement of Step C. Tighten **RECORD GUIDE MOUNTING SCREWS**.

PLAYMETER RESET MAGNET ADJUSTMENT

- A. Depress **PLAYMETER RESET MAGNET** and verify that there is $1/16''$ **CLEARANCE** between **PLAYMETER RESET MAGNET** and **PLAYMETER RESET LEVER**.
- B. Should adjustment be necessary, loosen **MAGNET ARM MOUNTING SCREWS** and adjust **PLAYMETER RESET MAGNET** as required to satisfy requirement of Step A. Tighten **MAGNET ARM MOUNTING SCREWS**.

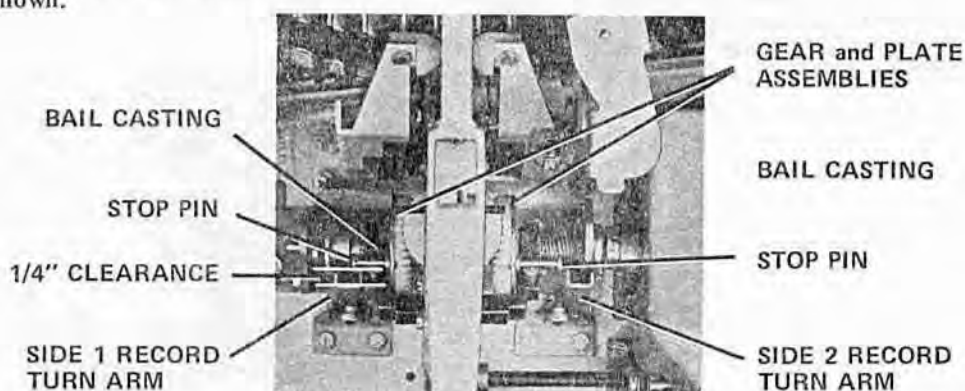
1/16" CLEARANCE



SIDE 1 SHIFT ADJUSTMENTS

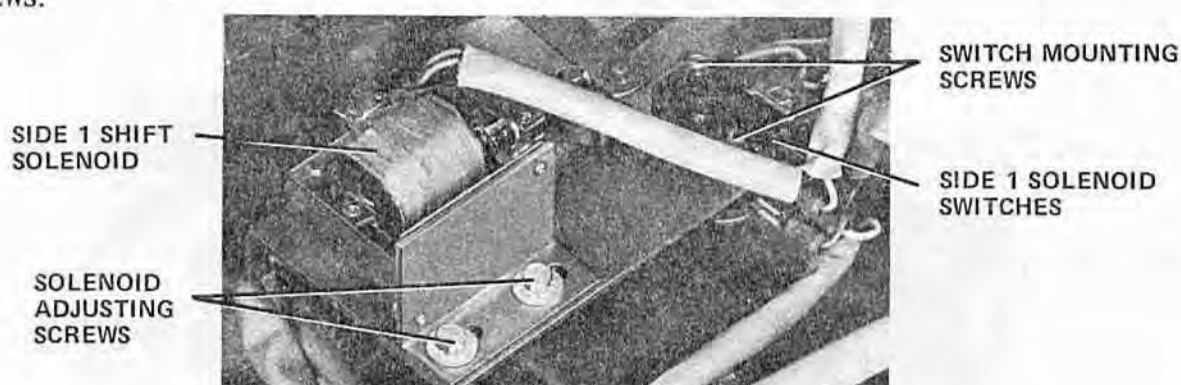
- A. Position Service Switch to OFF then select A-1. Position Service Switch to ON then to OFF to stop Record Changer when STOP PINS of GEAR and PLATE ASSEMBLIES are $1/4''$ from RECORD TURN ARMS as shown.

- B. Flange of SIDE 1 RECORD TURN ARM should be centered between inner side of head os STOP PIN and side of BAIL CASTING as shown.



- C. Should adjustment be necessary, loosen SOLENOID ADJUSTING SCREWS and adjust energized SIDE 1 SHIFT SOLENOID as necessary to satisfy requirement of Step B. Tighten SOLENOID ADJUSTING SCREWS.

- D. Position Service Switch to ON, cancel selected record, then position Service Switch to OFF.

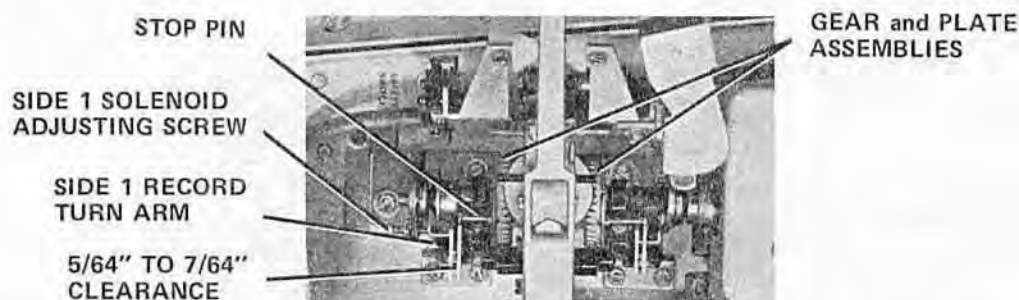


- E. Verify that SIDE 1 SOLENOID SWITCHES are actuated with $1/32''$ overtravel.

- F. Should adjustment be necessary, loosen SWITCH MOUNTING SCREWS and adjust as necessary to satisfy requirements of Step D. Tighten SWITCH MOUNTING SCREWS.

- G. Select A-2 (B-1 on Model 3660). Position Service Switch to ON then to OFF to stop Record Changer when STOP PINS of GEAR and PLATE ASSEMBLIES are $1/4''$ from RECORD TURN ARMS as shown.

- H. There should be $5/64''$ to $7/64''$ CLEARANCE between head of STOP PIN and SIDE 1 RECORD TURN ARM as shown.



- I. Should adjustment be necessary, adjust SIDE 1 SOLENOID STOP ADJUSTING SCREW as necessary to satisfy requirement of Step H.

- J. Position Service Switch to ON then cancel selected record.

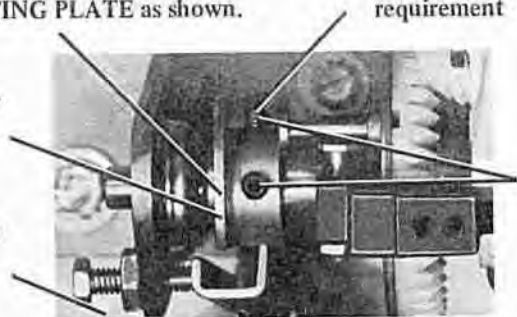
TURN ARM HOLDOUT CAM ADJUSTMENT

- A. With Record Changer in "Home" position, flat surface of LOCKOUT CAM should be vertical to RECORD CHANGER MOUNTING PLATE as shown.

- B. Should adjustment be necessary, loosen SET SCREWS and adjust LOCKOUT CAM as required to satisfy requirement of Step A. Tighten SET SCREWS.

LOCKOUT
CAM

RECORD CHANGER
MOUNTING
PLATE



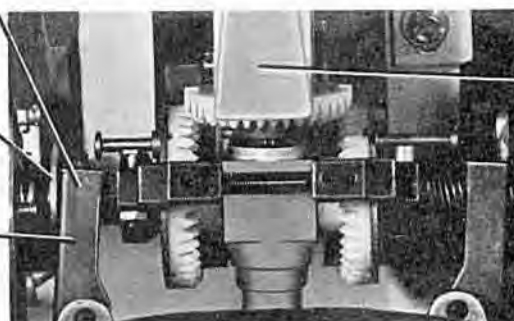
SET SCREWS

- C. Loosen SET SCREW located on top of LOCKOUT CAM. Select A-3 (C-1 on Model 3660). Position Service Switch to OFF as RECORD TAKEOUT ARM starts to turn. LOCKOUT CAM should make contact with SIDE 1 TURN ARM as shown.

- D. Should adjustment be necessary, loosen remaining SET SCREW and adjust LOCKOUT CAM as required to satisfy requirement of Step C. Tighten SET SCREW. When Record Changer returns to "Home" position, repeat Steps A and B.

LOCKOUT CAM

SIDE 1 RECORD
TURN ARM



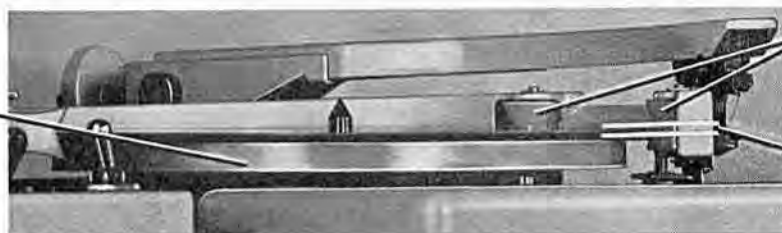
RECORD
TAKEOUT ARM

RECORD TAKEOUT ARM TURN ADJUSTMENT

- A. Select A-2 (B-1 on Model 3660). Position Service Switch to OFF when selected record is in "Play" position. Remove record from TURNTABLE.

- B. Surface of TURNTABLE should be $\frac{1}{32}$ " BELOW V OF RECORD TAKEOUT ARM ROLLERS.

TURNTABLE



RECORD TAKEOUT
ARM ROLLERS

$\frac{1}{32}$ " BELOW V
OF RECORD
TAKEOUT ARM
ROLLERS

- C. Should adjustment be necessary, adjust SIDE 2 RECORD TURN ARM ADJUSTMENT SCREW as required to satisfy requirement of Step B.

- D. Place record back on TURNTABLE. Position Service Switch to ON and cancel selected record.

SIDE 1 RECORD
TURNARM
ADJUSTING
SCREW



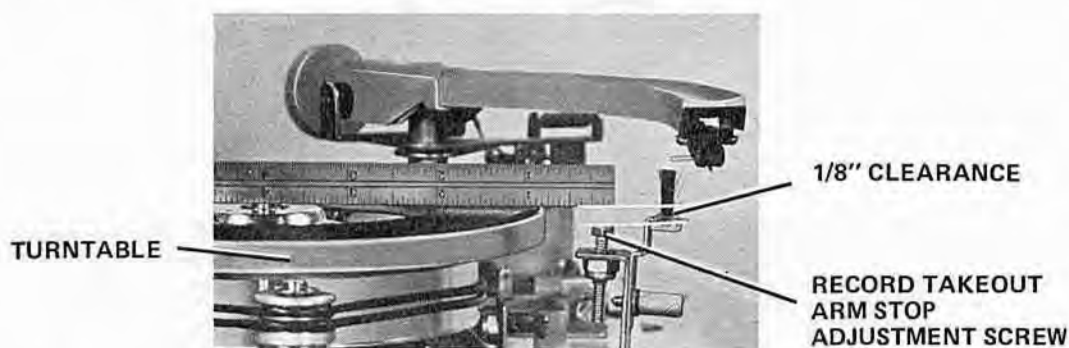
SIDE 2 RECORD
TURNARM
ADJUSTING
SCREW

Select A-3 (C-1 on Model 3560). Position Service Switch to OFF when selected record is in "Play" position. Remove selected record from TURNTABLE and repeat Steps B, C and D using SIDE 1 RECORD TURN ARM ADJUSTMENT SCREW.

RECORD TAKEOUT ARM STOP ADJUSTMENT

Make the following adjustment with the Record Changer in "Home" position.

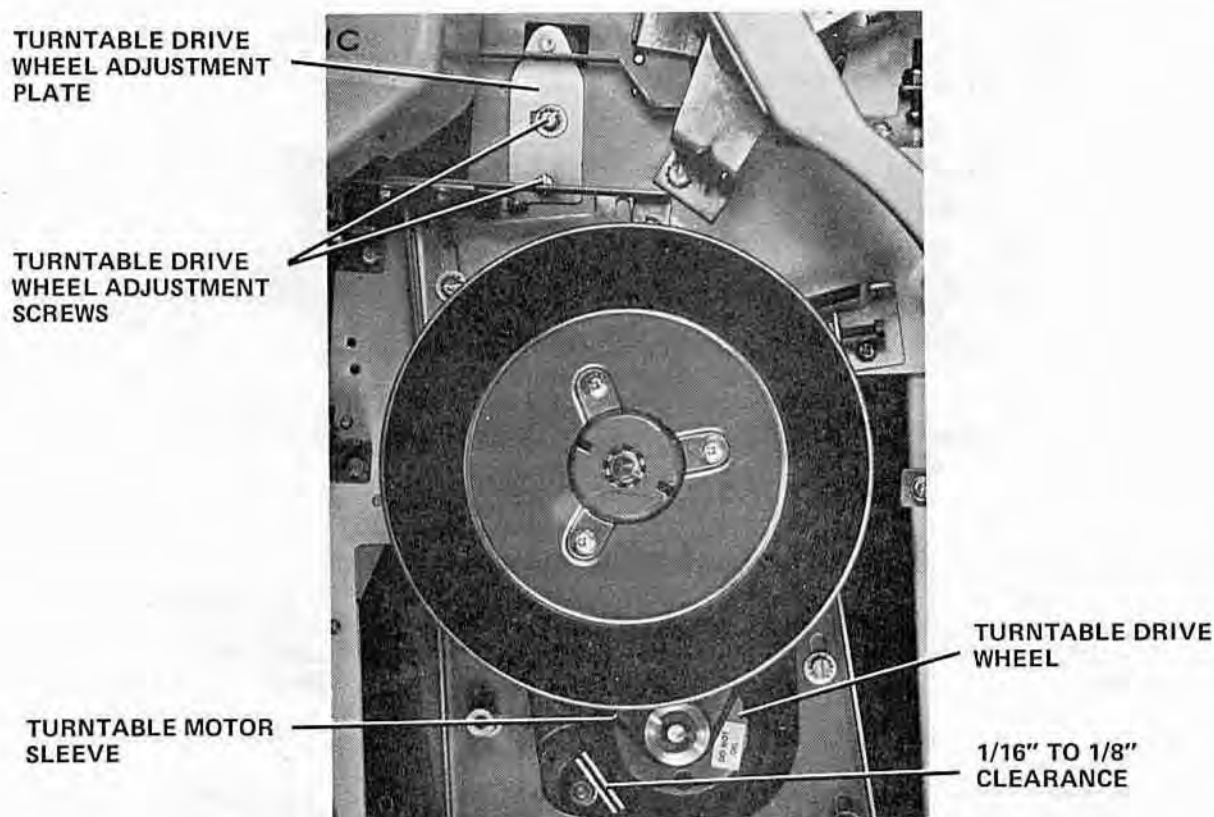
- A. Position a straight edge on TURNATBLE as shown. There should be 1/8" CLEARANCE between straight edge and head of RECORD TAKEOUT ARM STOP ADJUSTMENT SCREW.
- B. Adjust RECORD TAKEOUT ARM STOP ADJUSTMENT SCREW as required to satisfy requirement of Step A.



TURNTABLE DRIVE WHEEL ADJUSTMENT

For the following adjustment Record Changer must be in "Home" position.

- A. Verify that the clearance between TURNTABLE DRIVE WHEEL and TURNTABLE MOTOR SLEEVE is 1/16" to 1/8" as shown.
- B. Should adjustment be required, loosen TURNTABLE DRIVE WHEEL ADJUSTING SCREWS and adjust TURNTABLE DRIVE WHEEL ADJUSTMENT PLATE as necessary to meet the requirement of Step A. Tighten TURNTABLE DRIVE WHEEL ADJUSTING SCREWS.



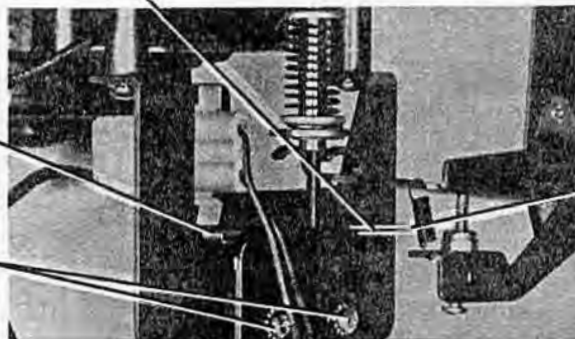
TURNTABLE SPEED CHANGE ADJUSTMENTS

- A. Select a 33 1/3 R. P. M. record. As record is positioned on TURNTABLE, TURNTABLE SPEED CHANGE SWITCH should actuate with 1/32" to 1/16" overtravel of ACTUATOR.

- B. Should adjustment be necessary, loosen TURNTABLE SPEED CHANGE SWITCH MOUNTING SCREWS and adjust TURNTABLE SPEED CHANGE SWITCH as required to satisfy requirement of Step A. Tighten TURNTABLE SPEED CHANGE SWITCH MOUNTING SCREWS.

TURNTABLE SPEED
CHANGE SWITCH

TURNTABLE SPEED
CHANGE SWITCH
MOUNTING SCREWS



1/32" to 1/16"
OVERTRAVEL

- C. Manually actuate TURNTABLE SPEED CHANGE SOLENOID PLUNGER.

- D. TURNTABLE DRIVE WHEEL should lift 1/4".

TURNTABLE
SPEED CHANGE
SOLENOID

TURNTABLE
SPEED CHANGE
SOLENOID
PLUNGER



1/4"



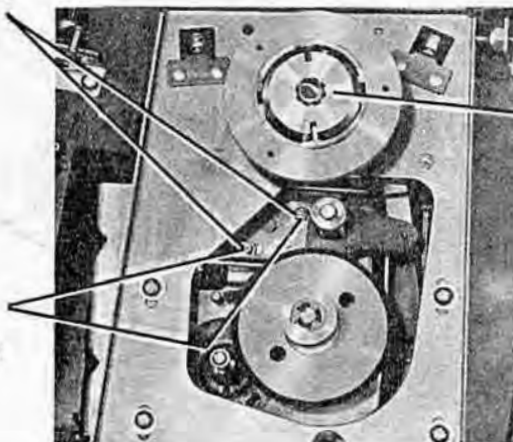
TURNTABLE
PILOT

TURNTABLE
DRIVE
WHEEL

- E. Should adjustment be necessary, cancel record and manually collapse TURNTABLE PILOT to 33 1/3 R. P. M. position. Remove TURNTABLE MOUNTING SCREWS, TURNTABLE RING and TURNTABLE. Loosen TURNTABLE SPEED CHANGE SOLENOID MOUNTING SCREWS and adjust TURNTABLE SPEED CHANGE SOLENOID as required to satisfy requirement of Step D. Tighten TURNTABLE SPEED CHANGE SOLENOID MOUNTING SCREWS.

- F. Verify that TURNTABLE PILOT is still in 33 1/3 R. P. M. position. Reinstall TURNTABLE, TURNTABLE RING and TURNTABLE MOUNTING SCREWS. Tighten TURNTABLE MOUNTING SCREWS and verify proper operation of TURNTABLE PILOT.

TURNTABLE
SPEED CHANGE
SOLENOID
MOUNTING SCREWS

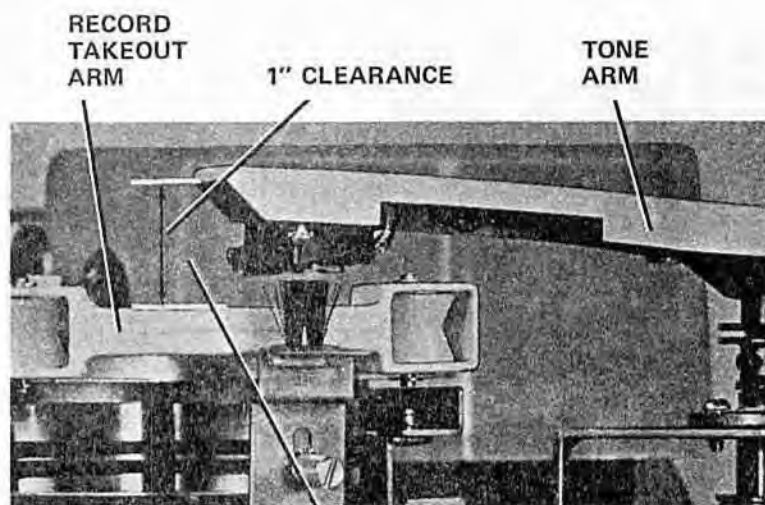


TURNTABLE
PILOT

TONE ARM LIFT ADJUSTMENT

A. Position Service Switch to OFF. Select A-1.

B. Position Service Switch to ON. When TONE ARM is directly over RECORD TAKEOUT ARM, position Service to OFF.



TONE ARM TUBE

TONE ARM LIFT ADJUSTING SCREW



C. There should be 1" CLEARANCE between TONE ARM and RECORD TAKEOUT ARM as shown.

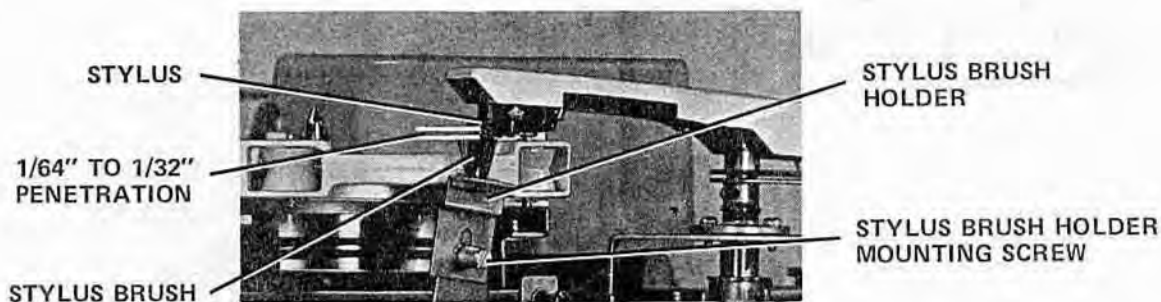
D. Should adjustment be necessary, adjust TONE ARM LIFT ADJUSTING SCREW as required to satisfy requirement of Step C.

E. Position Service Switch to ON and cancel selected record.

STYLUS BRUSH ADJUSTMENT

A. Position Service Switch to OFF. Select A-2.

B. Position Service Switch to ON. When TONE ARM is directly over STYLUS BRUSH, position Service Switch to OFF.

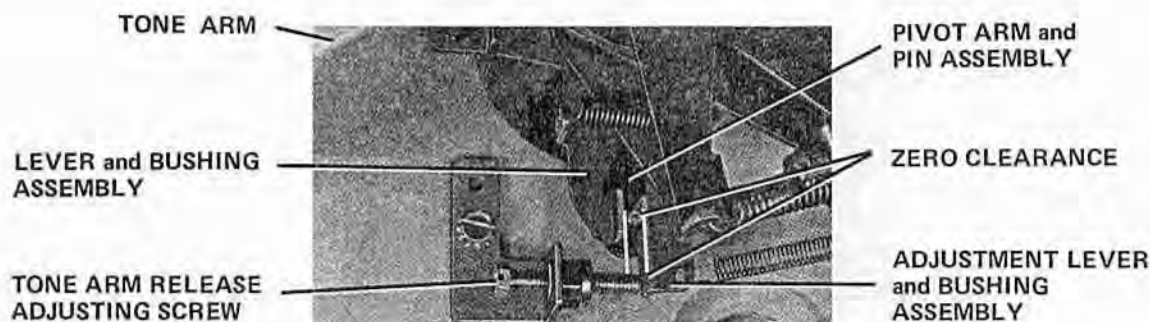


C. STYLUS should contact STYLUS BRUSH with 1/64" to 1/32" PENETRATION.

D. Should adjustment be necessary, loosen STYLUS BRUSH HOLDER MOUNTING SCREW and adjust STYLUS BRUSH HOLDER as required to satisfy requirement of Step C. Tighten STYLUS BRUSH HOLDER MOUNTING SCREW.

TONE ARM RELEASE ADJUSTMENT

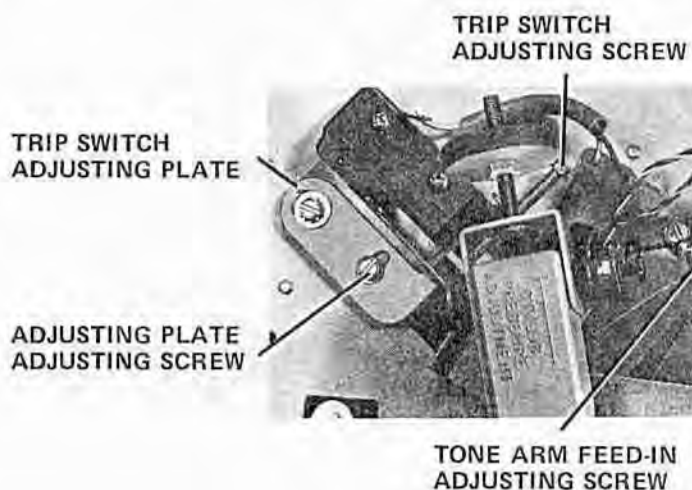
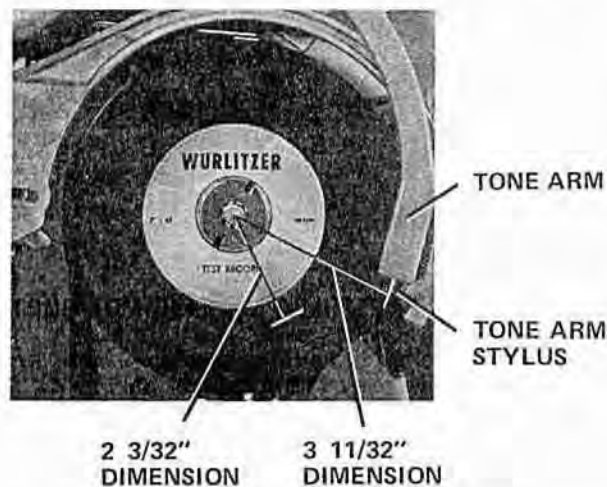
- A. Make a record selection. Position Service Switch to OFF to stop Record Changer when TONE ARM has started down on record, but prior to TONE ARM touching record.
- B. There should be ZERO CLEARANCE (no play) between ADJUSTMENT LEVER and BUSHING ASSEMBLY, LEVER and BUSHING ASSEMBLY and PIVOT ARM and PIN ASSEMBLY.



- C. There should be ZERO CLEARANCE between ADJUSTMENT LEVER and BUSHING ASSEMBLY and TONE ARM RELEASE ADJUSTING SCREW.
- D. Should adjustment be necessary, adjust TONE ARM RELEASE ADJUSTING SCREW as required to satisfy requirements of Steps B and C.

TONE ARM FEED-IN AND TRIP SWITCH ADJUSTMENTS

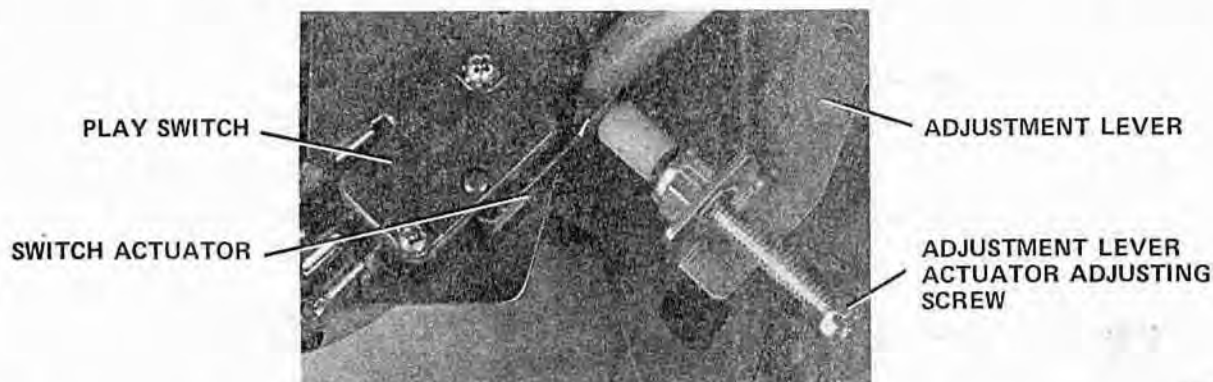
- A. Make a record selection. Position Service Switch to OFF to stop Record Changer when TONE ARM has started down on record, but prior to TONE ARM touching record. TONE ARM STYLUS should be $3 \frac{11}{32}$ " from tip of TURNTABLE PILOT.
- B. Should adjustment be necessary, adjust TONE ARM FEED-IN ADJUSTING SCREW as required to satisfy requirement of Step A.



- C. Position Service Switch to ON to play record. TRIP SWITCH should actuate when TONE ARM STYLUS is $2 \frac{3}{32}$ " from tip of TURNTABLE PILOT.
- D. Should adjustment be necessary, adjust TRIP SWITCH ADJUSTING SCREW as required to satisfy requirement of Step C.
- E. With Record Changer in "Home" position, manually actuate TRIP SWITCH ACTUATOR. Slowly release ACTUATOR. When TRIP SWITCH resets, ACTUATOR should be $\frac{3}{32}$ " to $\frac{1}{8}$ " from TRIP SWITCH ADJUSTING PLATE.
- F. Should adjustment be necessary, loosen ADJUSTING PLATE ADJUSTING SCREW and adjust TRIP SWITCH ADJUSTING PLATE as required to satisfy the requirements of Step E.

PLAY SWITCH ADJUSTMENT

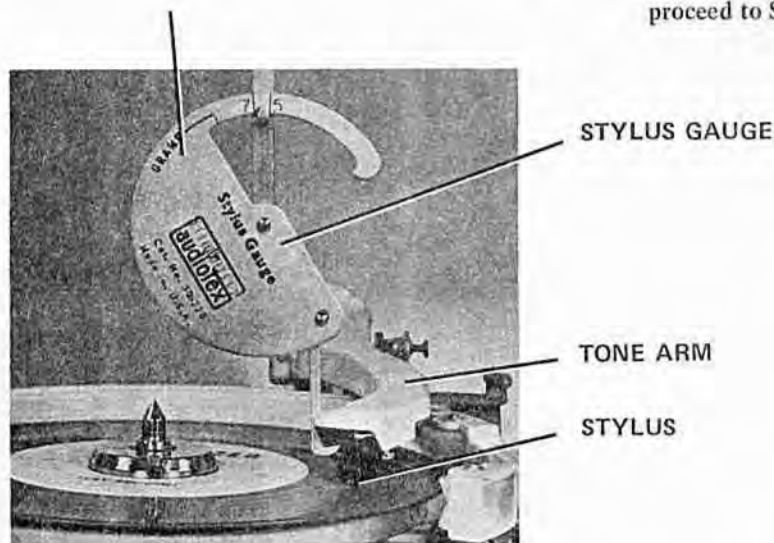
- A. Select A-1. Position Service Switch to OFF when selection is in "Play" position.
- B. Verify that PLAY SWITCH actuates with overtravel. The SWITCH ACTUATOR must not bottom on SWITCH BODY.



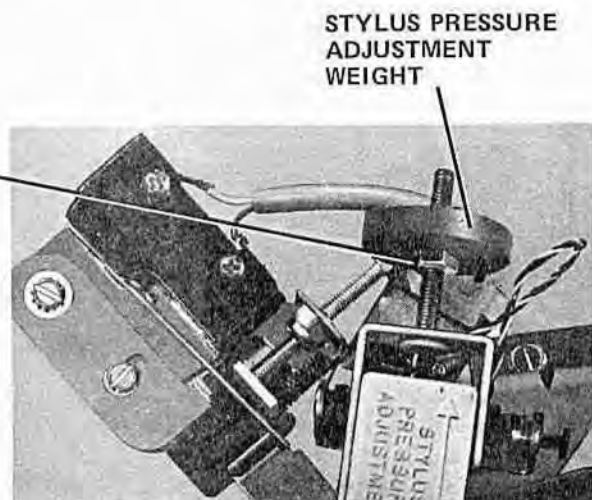
- C. Should adjustment be necessary, turn ADJUSTMENT LEVER ACTUATOR ADJUSTING SCREW as required to satisfy requirement of Step B.
- D. Position Service Switch to ON and cancel selected record.

STYLUS PRESSURE ADJUSTMENT

- A. With a record on the turntable and TONE ARM in playing position, apply GRAM PRESSURE GAUGE 3/8" from end of TONE ARM as shown.
- B. Stylus should break contact with record at 5 to 7 Grams of upward pressure as indicated on GRAM PRESSURE GAUGE. Should adjustment be required, proceed to Step C.



- C. To adjust STYLUS pressure, loosen STOP NUTS and adjust STYLUS PRESSURE ADJUSTMENT WEIGHTS as required to satisfy the requirement of Step B. Tighten STOP NUTS.



TURNTABLE PILOT RESET ADJUSTMENT

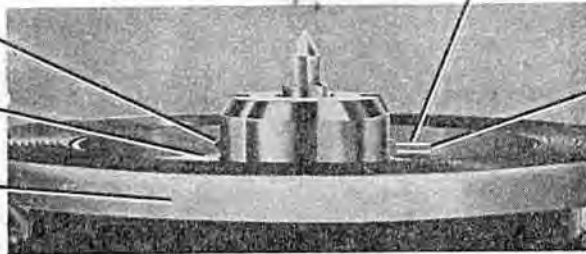
A. Select a 33 1/3 R. P. M. record. Cancel record when it is in "Play" position. Using Service Switch, stop Record Changer when TURNTABLE PILOT has been lifted to maximum height.

B. There should be 1/32" to 3/64" CLEARANCE between PILOT LATCH LEVERS and TURNTABLE RING as shown.

TURNTABLE
PILOT LEVERS

TURNTABLE
RING

TURNTABLE



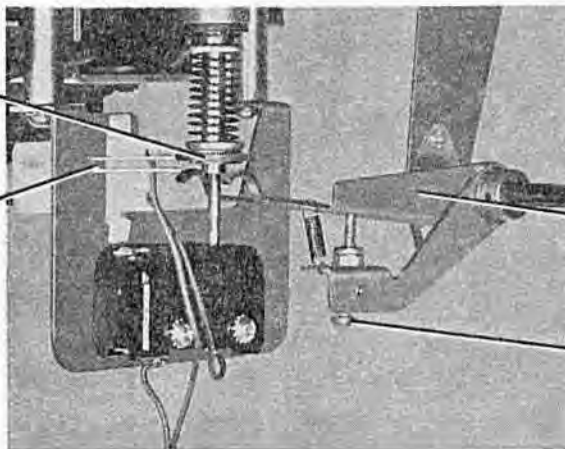
1/32" to 3/64"
CLEARANCE

C. Should adjustment be necessary, adjust TURNTABLE PILOT LIFT ADJUSTING SCREW as required to satisfy requirement of Step B.

D. Position Service Switch to ON, then select a 33 1/3 R. P. M. record. With selected record in "Play" position, verify that there is VISUAL CLEARANCE between TURNTABLE RESET LEVER and HUB ASSEMBLY and PILOT TUBE WASHER.

PILOT TUBE WASHER

VISUAL CLEARANCE

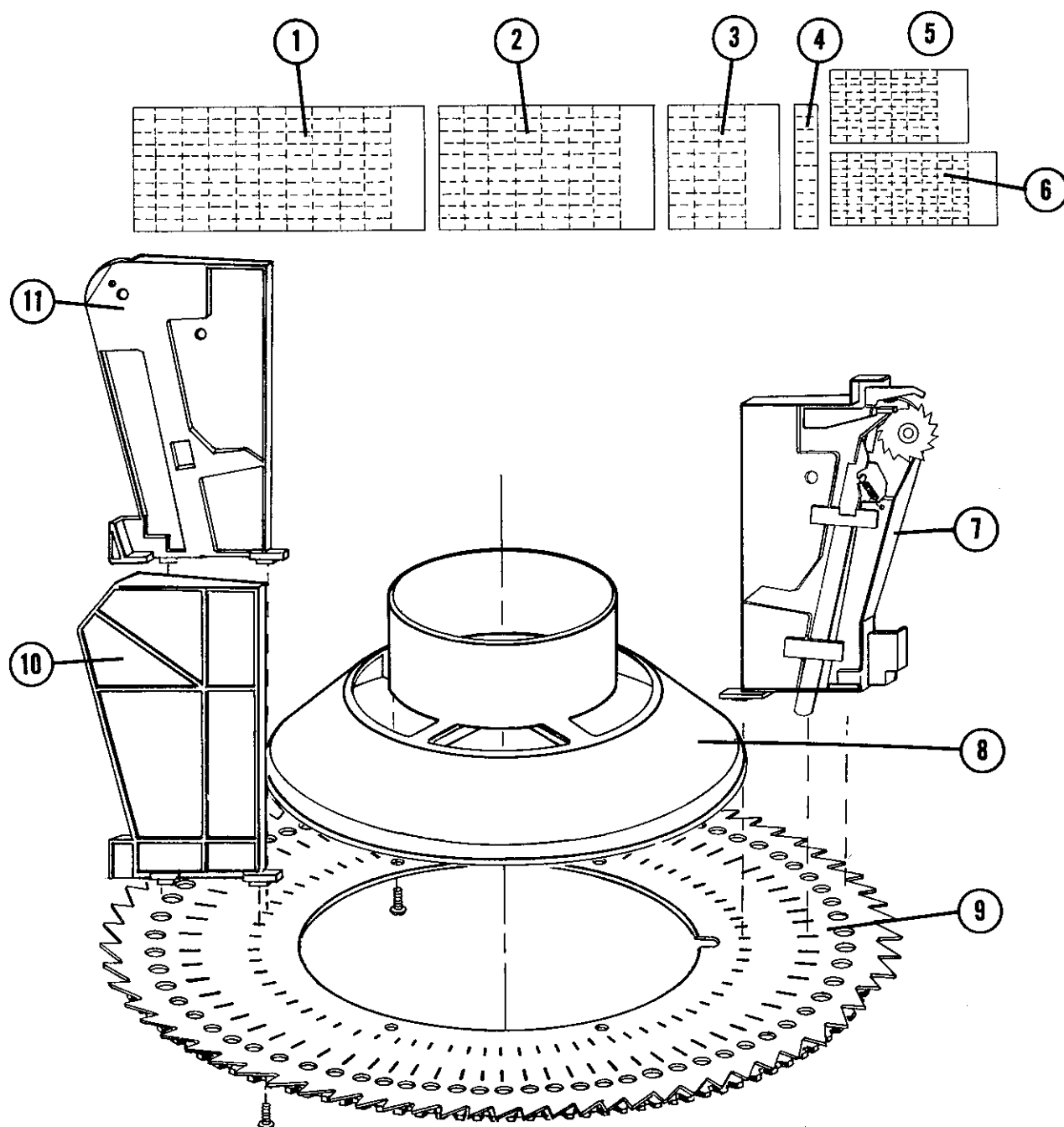


TURNTABLE RESET LEVER
and HUB ASSEMBLY

TURNTABLE PILOT LIFT
ADJUSTING SCREW

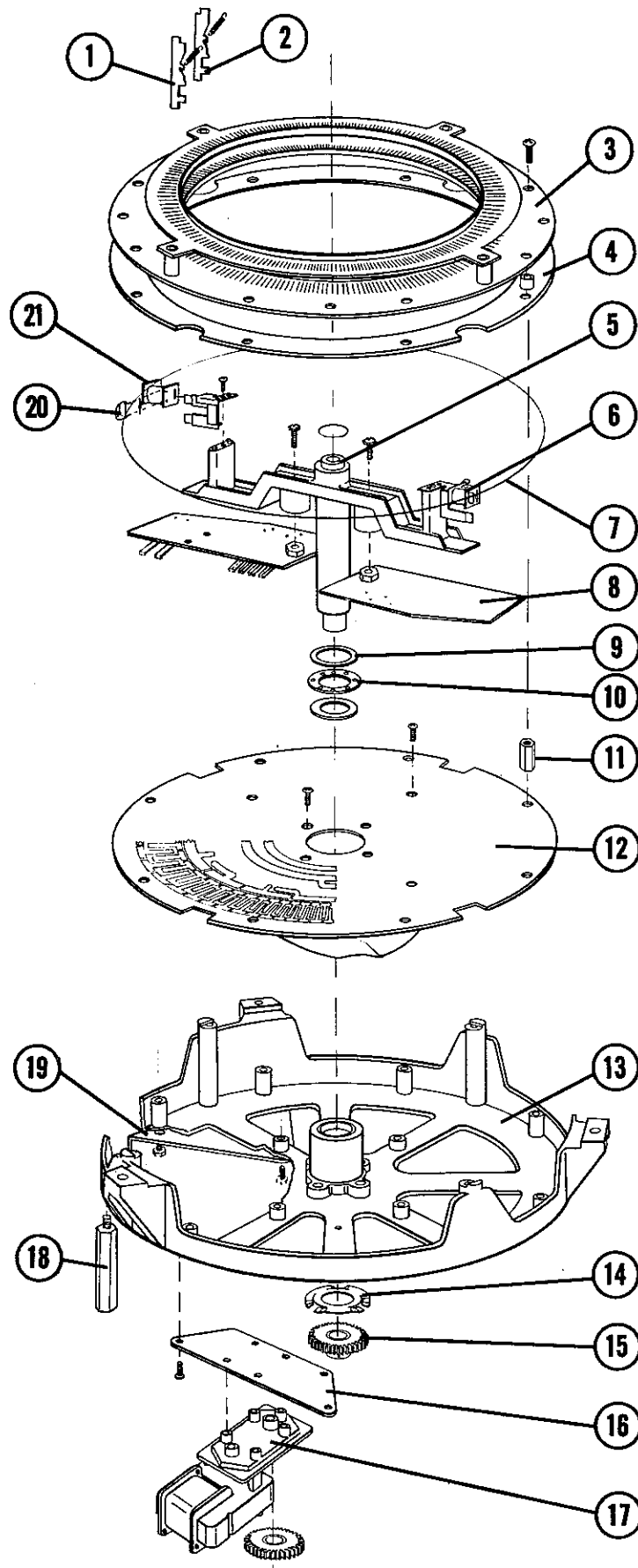
INDEX TO PARTS DRAWINGS

Record Magazine Assembly	Page 23
Selection Accumulator	Page 24 - 25
Record Changer L. H.	Page 26 - 27
Cam and Gear Assembly	Page 28 - 29
Record Changer R. H.	Page 30 - 31
Turntable and Mounting Plate Assembly	Page 32 - 33
Tone Arm Assembly	Page 34
Record Takeout Arm	Page 35
Turntable Assembly	Page 36



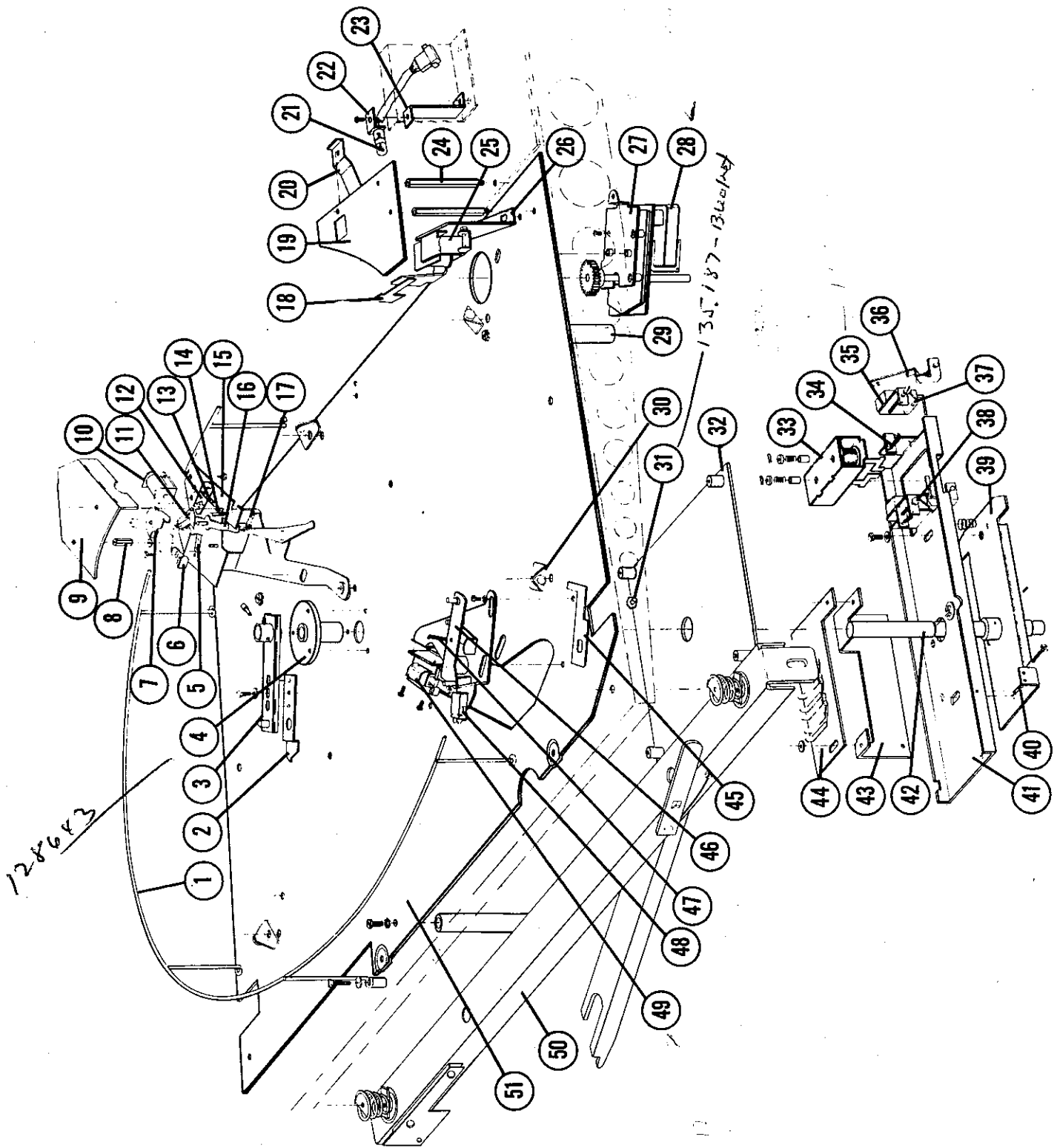
RECORD MAGAZINE ASSEMBLY

1.	Label, Record Playing	3600	136770	8.	Casting, Record Holder	136521
2.	Label, Record Playing			9.	Plate and Gear Assembly	135958
	(Numbers 2 through 8)	3660	136771	10.	Filler, Record Magazine	3600-3660 136513
3.	Label, Record Playing				Filler, Record Magazine	3660 136514
	(Letters C through K)	3610	136773		Support Assembly,	
4.	Label, Record Playing				Magazine Filler	3660 138824
	(Number 1)	3660	136772		Mounting Bracket	
	Label, Record Playing				Assembly	3660 136516
	(Letters A and B)	3610	136774		Filler, Record Magazine (2)	3610 136515
	Label, Record Playing				Support Assembly,	
	(Letters F and G)	3610	136775		Magazine Filler (2)	3610 138823
5.	Label, Record Magazine				Mounting Bracket	
	Loading	3600-3610	134714		Assembly (2)	3610 136516
6.	Label, Record Magazine			11.	Record Separator and Counter	
	Loading	3660	134873		Assembly	135979
7.	Record Separator Assembly		135982			



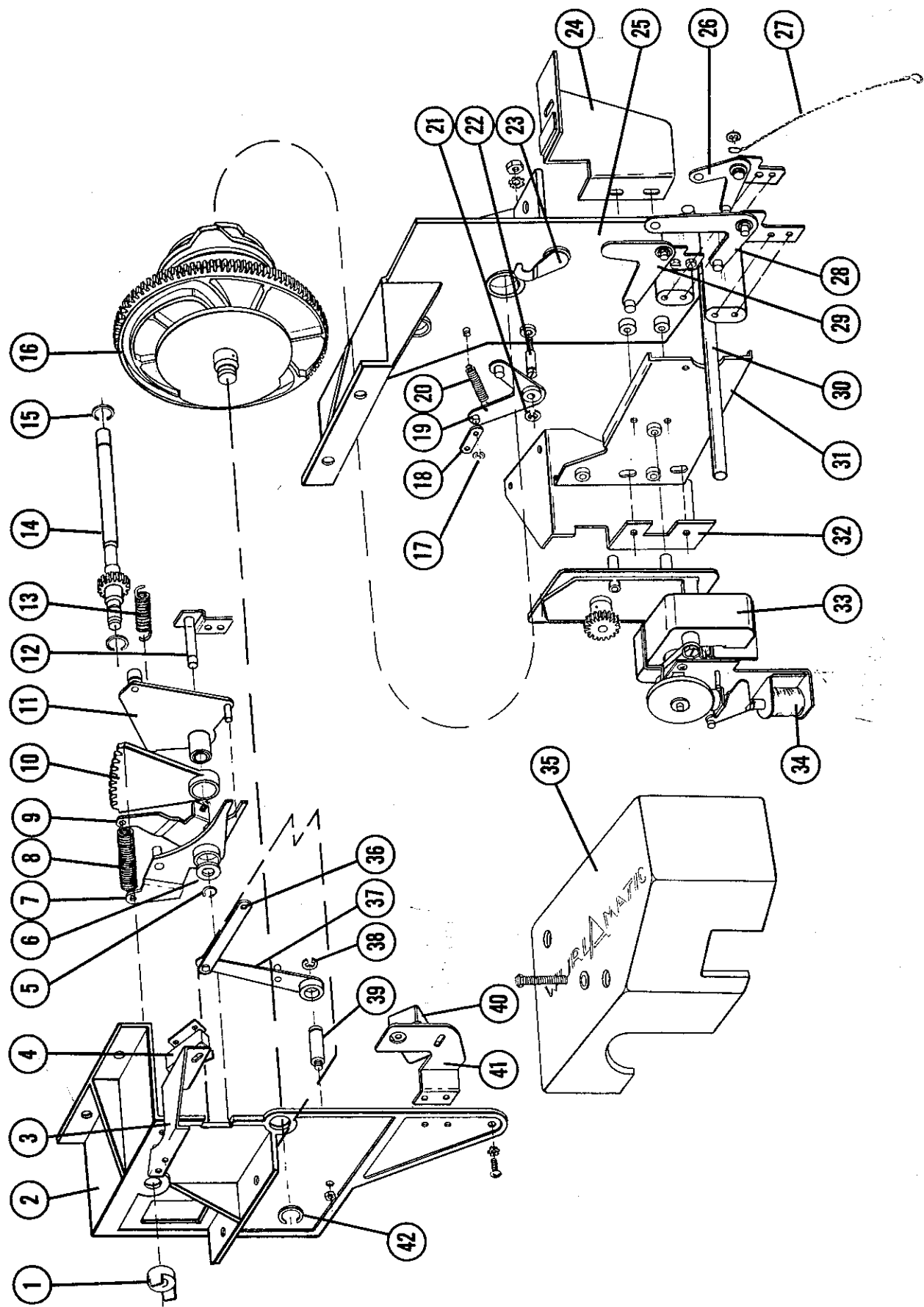
SELECTION ACCUMULATOR ILLUSTRATED PARTS LIST

1.	Latch Pin, Inside		
1.	Latch Pin, Inside		12882
1.	Latch Pin, Inside		128321
2.	Latch Pin, Outside		128320
	Spring, Latch Pin,		
	Selection Accumulator		128322
3.	Ring and Spacer Assembly	3600	133532
	Ring and Spacer Assembly	3660	134245
	Ring and Spacer Assembly	3610	134082
	Spacer (8)		128324
4.	Plate, Pin Stop		133348
5.	Shaft and Magnet Arm Assembly,		
	Selection Accumulator		133499
6.	Bobbin and Wire Assembly (2)		133375
7.	Shield and Support Assembly		138787
8.	Contact Plate and Blade Assembly (2)		138299
9.	Thrust Washer (2)		122630
10.	Ball Race		122631
11.	Spacer, Selection Accumulator (8)		133886
12.	Contact Board and Cable Assembly	3600	138286
	Contact Board and		
	Cable Assembly	3660	138287
	Contact Board and		
	Cable Assembly	3610	138288
	Plug, 12		137233
	Pin Terminal (9)		132000
	Receptacle, 15		131888
	Contact Terminal (15)		132001
	Receptacle, 9		131173
	Contact Terminal (9)		132001
	Receptacle, 12		131175
	Contact Terminal (10)		132001
13.	Casting and Bearing Assembly,		
	Selection Accumulator		133531
	Clutch Bearing		128638
14.	Spring Washer		126739
15.	Gear and Hub Assembly, Selection		
	Accumulator, Shaft		128305
	Set Screw, 8/32 x 3/16		73528-29
16.	Motor Mounting Plate,		
	Selection Accumulator		128291
17.	Motor and Gear Assembly		135136
	Gear and Hub Assembly		128293
	Roll Pin		73782-34
18.	Support Leg, Selection		
	Accumulator (For Service Only)		133420
19.	Mounting Bracket, Receptacles		138296
20.	Capacitor, .18 mfd. 75V (2)		76201-17
21.	Diode, Zenner (2)		128449



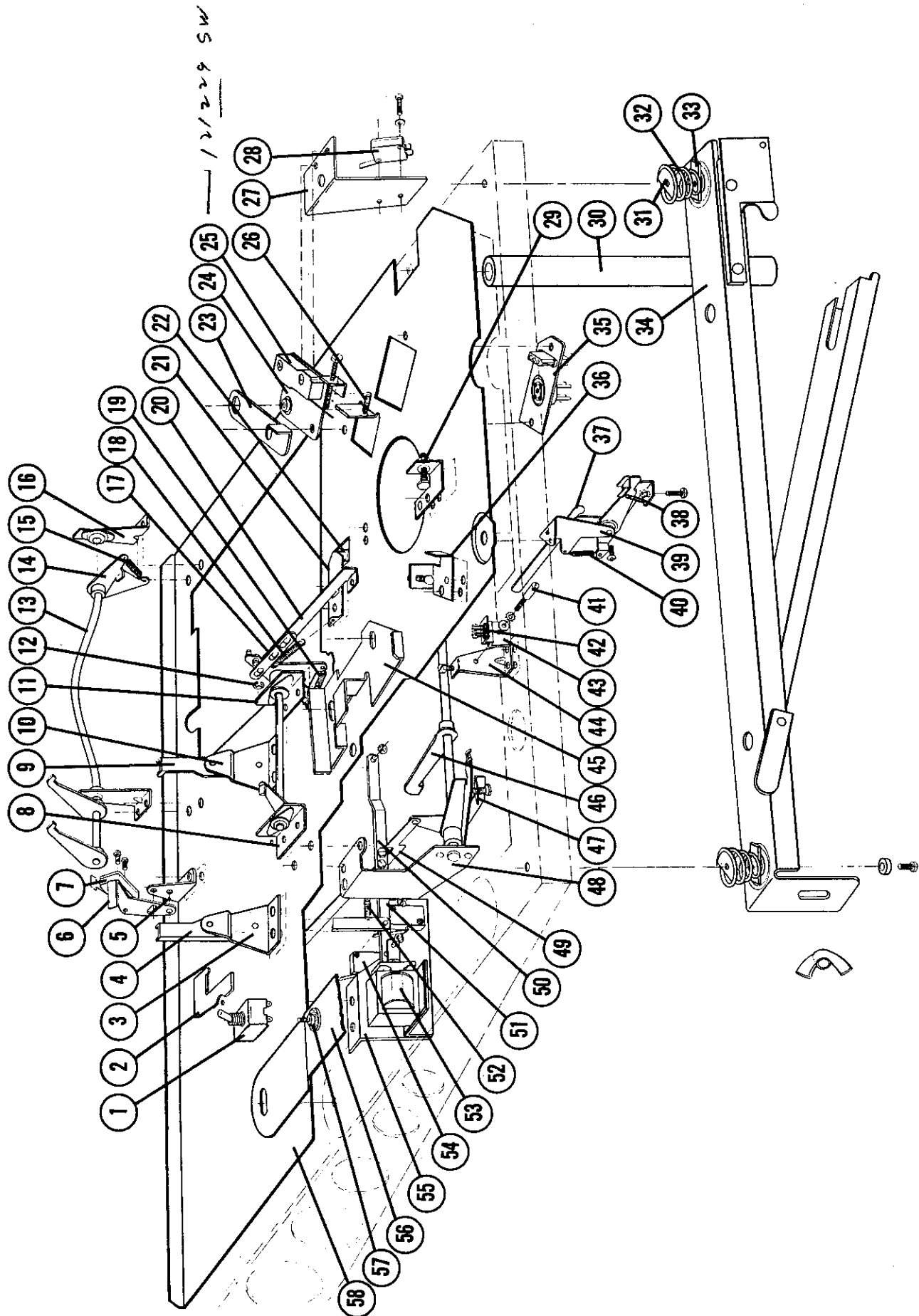
RECORD CHANGER ILLUSTRATED PARTS LIST, L. H.

1. Record Support	136491	33. Cancel Solenoid Assembly	133476
2. Cam, Override	135922	Internal Hair Pin (2)	74402-1
3. Drive Arm and Contact Blade Assembly	137318	Cup Washer (2)	64766
(Part of Drive Arm and Support		Spring (2)	64780
Arm Assembly, 137333)		Plunger (2)	133374
Roll Pin	73782-52	34. Spring, Readout Switch (2)	133426
4. Housing and Clutch Assembly	128643	35. Switch and Actuator Lever Assembly,	
Roller Clutch	128641	Side 2	135803
Housing and Bushing Assembly	128384	36. Pretravel Bracket and Stop Nut Assembly (2)	135499
Bushing	128383	37. Bracket Assembly, Readout (2)	133475
5. Guide, Ratchet	128367	38. Switch and Actuator Lever Assembly,	
Spacer (2)	135185	Side 1	135802
6. Switch and Bracket Assembly	135959	39. Support Arm and Stop Nut Assembly	137315
Switch Assembly	138837	(Part of Drive Arm and Support	
Retainer Plate	63014	Arm Assembly, 137333)	
Mounting Bracket	135924	Roll Pin	73782-51
7. Ratchet Wheel and Hub Assembly	128363	Retaining Ring	73724-39
8. Spacer Stud (2)	135938	Spring (2)	137330
9. Cover, Override	136458	40. Spring	133418
10. Solenoid	133482	41. Arm, Readout	133535
Gripping	76922-12	Resistor 175 ohm, 5W (2)	74824-2
11. Spring, Lever and Link	136154	42. Shaft, Drive Arm	135929
12. Latch and Pin Assembly	135969	(Part of Drive Arm and Support	
13. Spring, Armature	136236	Arm Assembly, 137333)	
14. Spring, Ratchet Wheel	128647	43. Bracket, Contact Plate	136039
15. Mounting Plate and Stud Assembly	135964	44. Contact Plate and Blade Assembly, Deluxe	136438
16. Lever Assembly, Override	135967	Contact Plate and Blade Assembly,	
Retaining Ring	73724-15	Standard	136472
17. Spring	135543	45. Positioning Plate, Magazine Lock	135212
18. Window Plate and Rivet Assembly	134592	46. Locking Arm and Link Assembly	136431
19. Plate and Silk Screen Assembly	136464	Spacer	129818
20. Mirror, Record Playing	134891	Stop Nut 4-40	74988-7
21. Lamp, No. 1847	138275	47. Spring	128748
22. Light Socket and Wire Assembly	110454	48. Switch	128344
Plug, 6	131172	Tapping Plate	128283
Pin Terminal (3)	132000	49. Solenoid	128343
23. Light Bracket, Record Playing	136466	50. Channel and Fall Support Assembly,	
24. Spacer, Record Playing Plate	137026	Left Hand	138147
25. Magnet and Frame Assembly	135771	Spring	136734
Resistor, 135 ohm, 5 Watt	74840-2	51. Mounting Plate	136076
26. Mounting Bracket, Window Plate	136462		
27. Mounting Plate and Spacer Assembly	134003		
28. Motor and Gear Assembly	133487		
Receptacle, 2	129381		
Pin Terminal (2)	132000		
29. Spacer, Selection Accumulator	133402		
30. Mounting Bracket and Roller Assembly (4)	135707		
31. Circuit Breaker	135187		
32. Contact Board and Wire Assembly, Standard	138878		
Plug, 6	131172		
Pin Terminal (5)	132000		
Contact Board and Wire Assembly,			
Deluxe	138879		
Receptacle, 15B	131890		
Contact Terminal (15)	132001		
Receptacle, 15W	131888		
Contact Terminal (10)	132001		
Plug, 6	138838		
Contact Terminal (3)	132001		
Plug, 6	131172		
Pin Terminal (5)	132000		



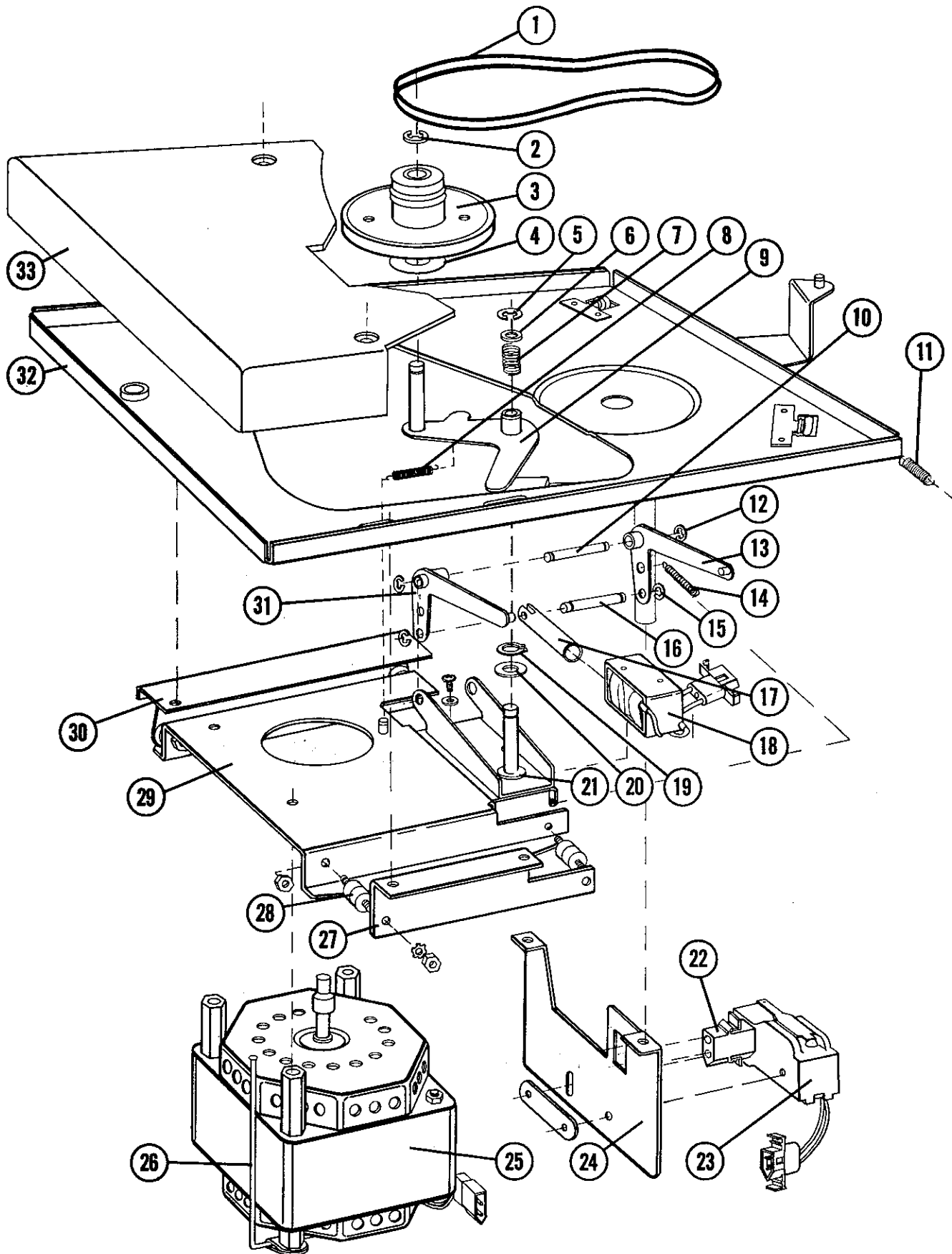
CAM AND GEAR ASSEMBLY ILLUSTRATED PARTS LIST

1. Coupling	128169	27. Cable Assembly, Turntable	128500
Set Screw, 8/32 x 3/16 FL	73513-29	Drive Pulley	73724-18
2. Casting and Bushing Assembly	133079	Retaining Ring (2)	133721
3. Mounting Bracket, Transfer Switch	138464	28. Pivot Plate and Lever Assembly	132907
4. Switch, Transfer	138772	Lever and Bushing Assembly	73724-25
Tapping Plate	128283	Retaining Ring	128241
5. Retaining Ring	73727-25	Pivot Plate and Stud Assembly	133719
6. Washer	133145	29. Pivot Plate and Lever Assembly	132903
7. Actuating Arm and Hub Assembly	133121	Lever and Bushing Assembly	73724-25
8. Spring, Record Takeout Segment Gear	133096	Retaining Ring	133794
9. Actuating Arm and Hub Assembly	133115	Pivot Plate and Stud Assembly	128151
10. Segment Gear, Record Transfer	133144	30. Shaft, Housing	
11. Roller Bracket Assembly	132869	31. Mounting Bracket and Spacer	128251
12. Mounting Plate and Shaft Assembly,		Assembly, Drive Motor	
Record Transfer	135156	32. Bracket and Angle Assembly,	135760
Washer (2)	51822	Main Cam Motor	136782
13. Spring, Takeout Arm Return	135399	33. Motor and Gear Assembly	135259
14. Shaft and Gear Assembly,		Gear, Motor	73782-32
Record Transfer	128118	Roll Pin	129377
15. Retaining Ring (2)	73728-37	Plug, 2	132001
16. Cam Assembly	135972	Contact Terminal (2)	136783
17. Retaining Ring (2)	73724-18	34. Motor Brake Assembly	133484
18. Link, Record Clamp	137557	Mounting Plate and Pin Assembly	133429
19. Lever and Bushing Assembly,		Lever and Pad Assembly	133428
Record Clamp	132901	Spring, Motor Brake	74988-7
20. Spring	59606	Locknut, No. 4-40	53519
21. Retaining Ring	73724-25	Washer	73782-2
22. Stud, Pivot	128129	Roll Pin	133483
Lockwasher No. 8	73604-6	Solenoid	32629
23. Adjustment Lever and Lever Pin		Washer (2)	136422
Assembly	137325	35. Cover, Cam and Gear	128141
Roll Pin	73782-32	36. Link, Record Release	132911
24. Support Bracket and Filler Assembly	135769	37. Lever and Bushing Assembly	73728-25
25. Casting and Bushing Assembly	132872	38. Retaining Ring	128180
26. Pivot Plate and Lever Assembly	133720	39. Stud, Pivot, Record Release	128418
Lever and Bushing Assembly	132905	40. Micro Switch, Cancel	128661
Retaining Ring	73724-25	41. Mounting Bracket and Plate Assembly	73728-37
Pivot Plate and Stud Assembly	128240	42. Retaining Ring	



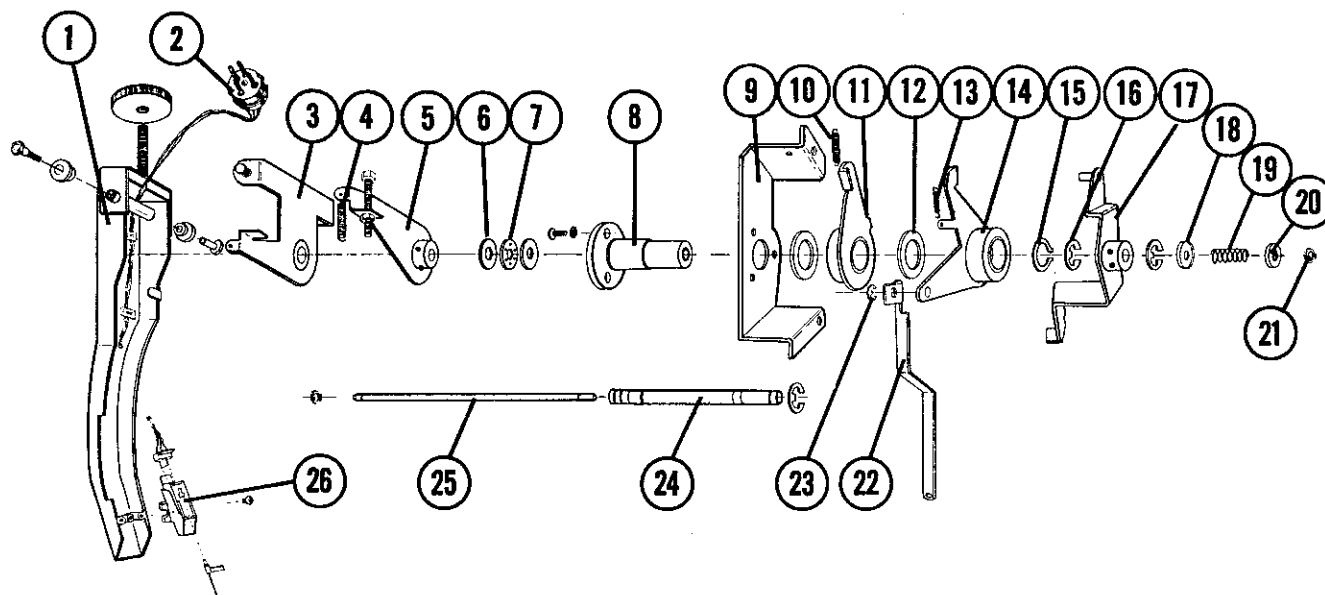
RECORD CHANGER ILLUSTRATED PARTS LIST, R. H.

1. Switch Service	121301	35. Mounting Plate and Socket Assembly	133978
2. Locating Plate, Record Arm Assembly	136366	Socket, 4 Min.	69090
3. Pivot Bracket and Stop Nut Assembly	128611	Receptacle, 3	130254
Set Screw,		Contact Terminal (2)	132001
6-32 x 1/2 Oval	73515-24	36. Bracket and Stop Nut Assembly,	
4. Stop and Bearing Assembly, L.H.	128609	Turntable Stop	133973
Spring Washer	73632-4	37. Link, Tone Arm Lift	133395
Washer	54024	Retaining Ring (2)	73724-18
Retaining Ring	73724-18	38. Spring	59612
5. Mounting Bracket, Safety Switch	137225	39. Lift Lever Assembly,	
6. Adjustment Plate, Safety Switch	137231	Tone Arm Lift	133137
7. Switch	138614	40. Spring	115821
8. Pivot Bracket and Bushing Assembly	136019	41. Thumbscrew	132113
9. Stop and Bearing Assembly, R.H.	128610	42. Brush	135180
Spring Washer	73632-4	43. Brush Holder	135280
Washer	54024	44. Record Arm Rest and Nut Assembly	132862
Retaining Ring	73724-18	45. Clamp Bracket and Handle Assembly	138465
10. Pivot Bracket and		46. Shaft and Lever Assembly	
Stop Nut Assembly	128611	Turntable Reset	138300
Set Screw,		Spring	59894
6-32 x 1/2 Oval	73515-24	47. Lever and Hub Assembly	
11. Shaft and Lever Assembly	136018	Turntable Reset	128229
12. Retaining Ring	73724-25	Spring	59612
13. Lever and Shaft Assembly,		48. Mounting Bracket and Bushing Assembly	137192
Record Clamp	135996	Mounting Bracket and	
14. Pull Lever and Hub Assembly	132665	Bushing Assembly(not shown)	128226
15. Spring	133869	49. Link Assembly, Playmeter	138018
16. Bearing Bracket and Bushing Assembly	135997	Link, Playmeter	138019
17. Link, Turntable Shift	128273	Link, Offset, Playmeter	138020
18. Spring, Turntable Release		Screw, Red (2)	136509
(4 5/16 oz. at 2 5/16")	65096	Washer (2)	42120
19. Spring	65958	Retaining Ring (2)	73724-18
20. Link, Turntable Shift	128274	Counter, Lever, Hub and	
Retaining Ring	73724-18	Pin Assembly(not shown)	138027
21. Roller Bracket and Stud Assembly	128245	Bracket and Pin Assembly,	
22. Roller, Turntable Drive	128248	Playmeter(not shown)	138024
Retaining Ring	73724-18	50. Link and Pin Assembly	128614
23. Adjusting Plate, Trip Switch	136175	Retaining Ring (2)	73724-15
24. Mounting Plate and Stop Nut Assembly	136412	51. Link and Pin Assembly	136027
25. Trip Switch and Plug Assembly	133974	Retaining Ring	73724-18
Switch Trip	121229	52. Spring	59606
Plug, 3	137254	53. Solenoid, Side 1	128343
Pin Terminal (2)	132000	Link, Solenoid	136714
26. Spring	134759	Shoulder Screw	129819
27. Mounting Bracket, Play Switch	137212	Spacer	129818
28. Switch	138614	Stop Nut, 4-40	74988-7
29. Bracket and Stop Nut Assembly,		Bracket, Solenoid	136713
Tone Arm	132991	54. Switch (2)	128344
30. Support, Record Changer (4)		Tapping Plate	128283
(For Service Only)	134906	55. Mounting Bracket	136030
31. Retainer, Chassis Spring (4)	134735	56. Adjustment Plate and Pivot Assembly	135989
32. Spring (2), Part of Item 34.	61059	57. Ball Race	59679
33. Retainer, Chassis Spring (2),		58. Mounting Plate and Pin Assembly	135991
Part of Item 34.	136506		
34. Channel and Fall Support Assembly, R.H.	138127		
Spring	136733		



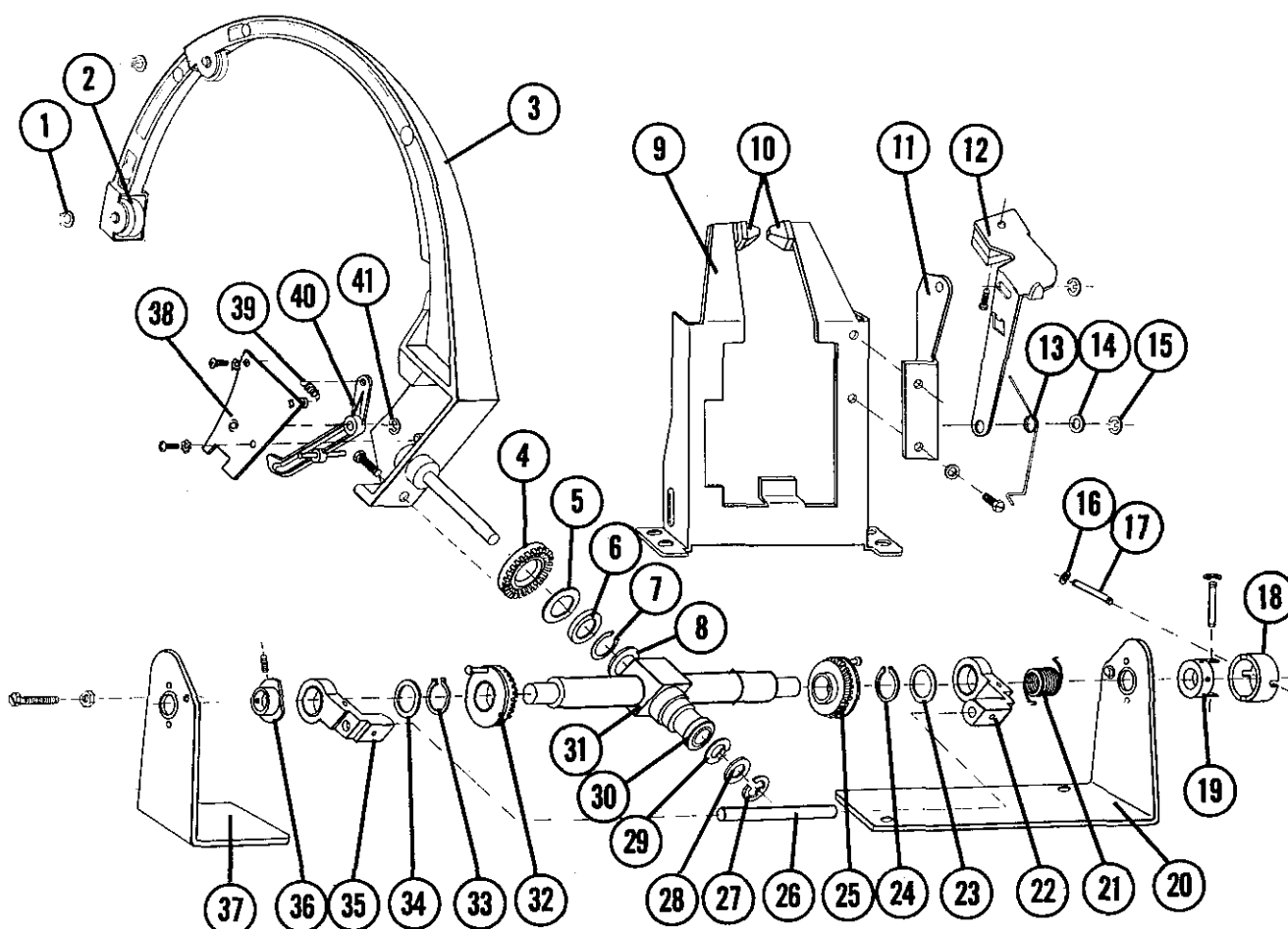
TURNTABLE AND MOUNTING PLATE ASSEMBLY ILLUSTRATED PARTS LIST

1. "O" Ring	128579	22. Receptacle - 3	130524
2. Retaining Ring	73724 - 25	Contact Terminal (2)	132001
3. Drive Wheel Assembly	128032	23. Micro Switch	60655
4. Shim Washer	135057	Tapping Plate	128025
5. Retaining Ring	73724 - 25	Plug - 3	130253
6. Cup Washer	124530	Pin Terminal (2)	132000
7. Spring, Shift, Turntable Drive	128534	24. Mounting Plate, Speed Change	128026
8. Spring, Drive Wheel Arm		25. Motor and Sleeve Assembly	129391
(6 1/2 oz. at 1 1/8")	133543	Plug - 2	129377
9. Arm, Hub and Link Assembly	128537	Pin Terminal (2)	132000
10. Shaft, Pivot, Bell Crank	124519	26. Oil Tube	128727
11. Spring, Turntable Return		Washer	42120
(6 1/2 oz. x 1 1/8")	133543	Cable Clamp	73804 - 2
12. Retaining Ring (2)	73724 - 18	27. Mounting Bracket, Turntable Plate	133460
13. Bell Crank and Hub Assembly, L.H.	128046	28. Rubber Mount (4)	60882
14. Spring, Solenoid Assist		Nut (8)	73601 - 7
(8-10 oz. at 2 5/16")	124487	Lockwasher (8)	73604 - 6
15. Retaining Ring (2)	73724 - 15	29. Motor Mounting and Pivot	
16. Shaft, Solenoid, Bell Crank	124518	Bracket Assembly	128054
17. Plunger, Solenoid	121095A	30. Mounting Bracket, Turntable Plate	133462
18. Solenoid and Plug Assembly	129423.	31. Bell Crank and Hub Assembly, R.H.	128045
Solenoid	121095	32. Mounting Plate and Roller Assembly	128173
Plug - 3	130253	Spacer, Cover (2)	134864
Pin Terminal (2)	132000	Lockwasher (2)	73604 - 6
19. Retaining Ring	73727 - 50	Washer (4)	54024
20. Washer	124521	33. Cover, Turntable	136421
21. Washer, Felt	124520		



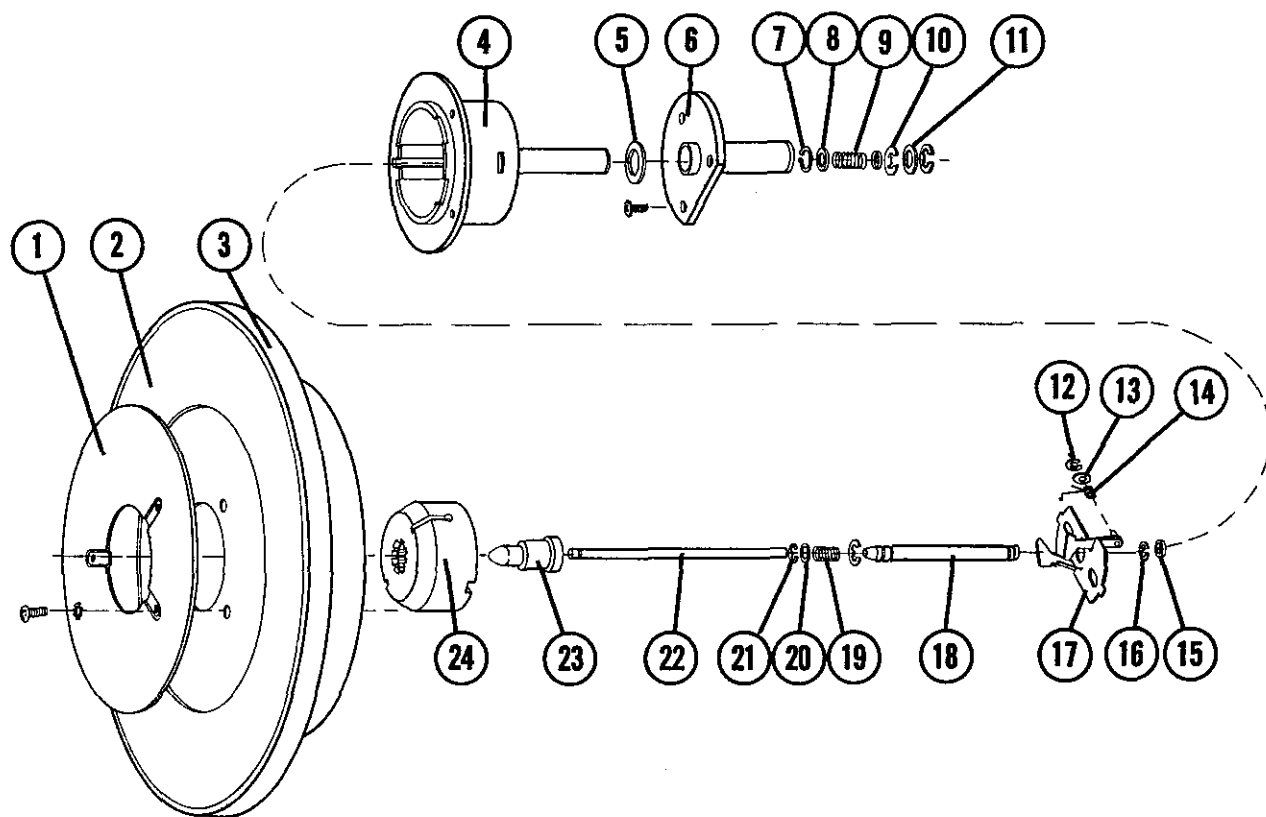
TONE ARM ASSEMBLY ILLUSTRATED PARTS LIST

1. Tone Arm and Pivot Rod Assembly	132850	8. Support Casting and Bushing Assembly	128069
Tone Arm	132846	9. Mounting Bracket, Tone Arm	132928
Balance Bracket and Weld		10. Spring (3 1/2 oz. at 1 1/8")	59710
Screw Assembly	133544	11. Adjustment Lever and Hub Assembly	133127
Pivot Stud	135836	12. Washer (2)	59864
Pivot Screw	135835	13. Spring (1 lb. 12 oz. at 15/16")	59615
Sleeve	135262	14. Lever and Bushing Assembly	133074
Bushings (2)	135260	15. Retaining Ring	73727-50
Weight (2)	137598	16. Retaining Ring (3)	73727-25
Nut, 10-32 (2)	73603-8	17. Pivot Arm and Pin Assembly	136410
2. Wire and Plug Assembly	138663	Set Screw, 8/32 x 3/16 Cup (2)	73511-29
Wire and Clip Assembly	138664	18. Cup Washer	128030
Plug, 4 Prong	69089	19. Spring	128008
Speed Nut (4)	73655-6	20. Cup Washer	124530
Speed Nut	73655-5	21. Gripping (2)	76922-12
3. Mounting Bracket and Stop Nut Assembly	136191	22. Link, Tone Arm Feed-In	132927
Pivot Screw, Tone Arm	135928	23. Retaining Ring (2)	73724-18
4. Spring (1 lb. 12 oz. at 15/16")	59615	24. Tube, Tone Arm	133459
5. Adjusting Bracket and Stop Nut Assembly	132849	25. Shaft, Tone Arm	135795
Set Screw, 8/32 x 3/16 Cup (2)	73511-29	26. Cartridge	138662
6. Washer (2)	128072	Needle, Double Tip Diamond	139008
7. Ball Race, Tone Arm Shaft	128491	Needle, Saphire	139009



RECORD TAKEOUT ARM ILLUSTRATED PARTS LIST

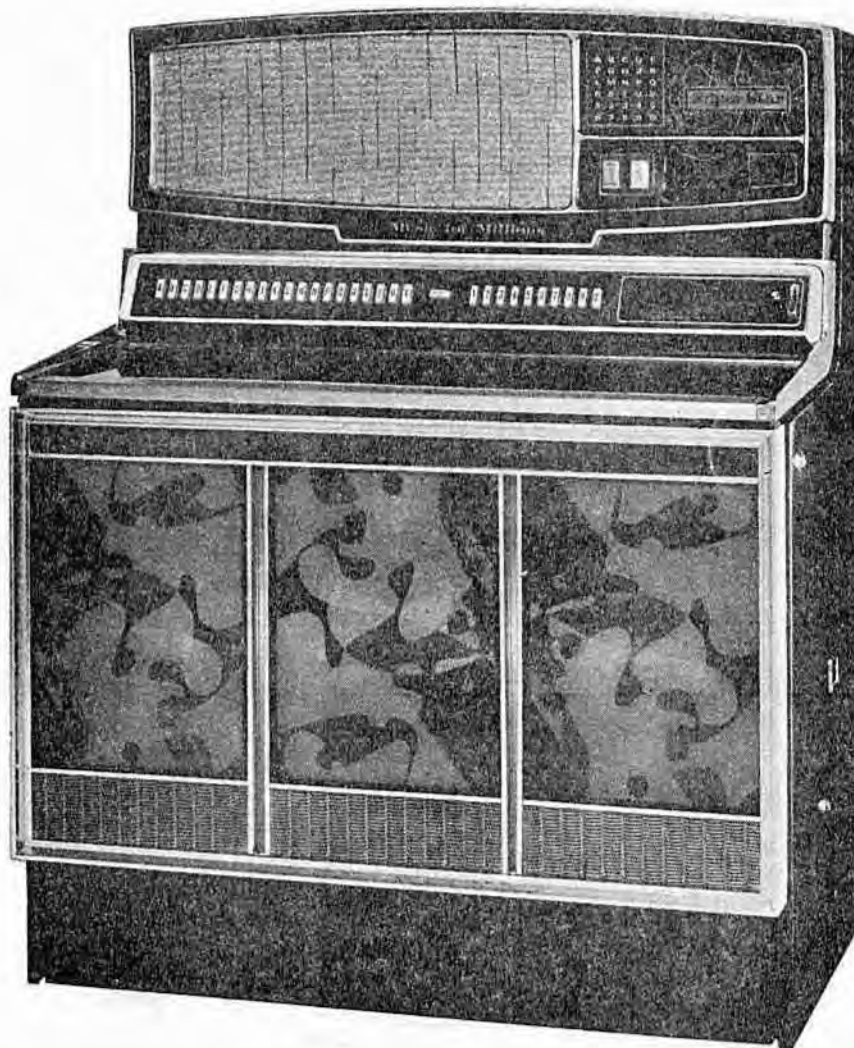
1. Gripring (4)	76922-12	23. Washer, Pivot Casting	128101
2. Roller, Record Arm (2)	135351	24. Retaining Ring	73727-50
Shaft, Record Arm Roller (2)	135797	25. Gear and Plate Assembly	128585
3. Record Arm Casting	136401	26. Connecting Rod, Bail	128107
4. Bevel Gear, Record Arm	128092	27. Retaining Ring	73724-31
5. Washer, Record Arm	128093	28. Washer	65778
6. Spring Washer	73632-36	29. Spring Washer	73632-109
7. Retaining Ring	73727-56	30. Washer, Record Arm	135792
8. Spacer, Record Takeout Arm	138240	31. Pivot Casting Assembly	135994
9. Mounting Bracket, Record Guide	136441	Sleeve, Pivot Casting	132671
10. Record Guide (2)	136292	32. Gear and Plate Assembly	128587
11. Mounting Bracket and Pin Assembly	136448	33. Retaining Ring	73727-50
12. Magnet Arm Assembly	136445	34. Washer, Pivot Casting	128101
Magnet (2)	136447	35. Bail and Bushing Assembly	128589
13. Spring	136452	Set Screw, 6-32 x 3/16 (2)	73511-19
14. Washer	27787	Screw (Special)	128105
15. Retaining Ring (2)	73724-18	Nut, 5-40 (Small)	128578
16. Gripring (4)	76922-12	36. Holdout Cam	135179
17. Pin, Coupling (2)	136937	Set Screw (2)	73513-29
18. Coupling Connector	136936	37. Pivot Bracket and Bushing Assembly	136408
19. Coupling (Part of Item 31)	128170	38. Mounting Plate and Pin Assembly	133372
Roll Pin	73782-35	39. Spring, Record Clamp	128520
20. Pivot Bracket and Bushing Assembly	136407	40. Record Clamp and Pin Assembly	133434
21. Spring, Record Arm	128533	41. Retaining Ring	73724-18
22. Bail and Bushing Assembly	128590		
Set Screw, 6-32 x 3/16 (2)	73511-19		



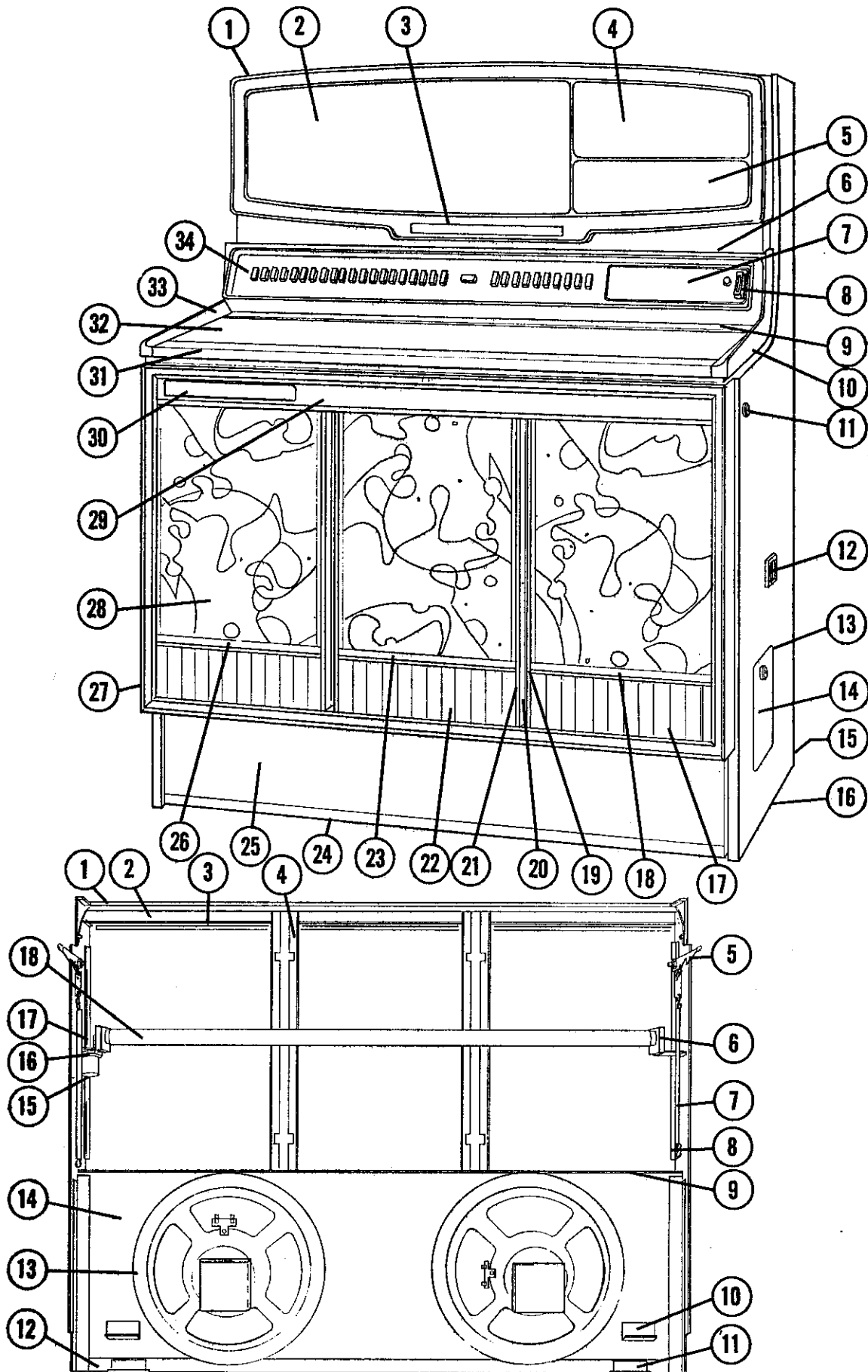
TURNTABLE ASSEMBLY ILLUSTRATED PARTS LIST

1. Ring, Turntable	128022	12. Gripring (2)	76922-12
Screw, 6-32 x 3/8 Truss (3)	76719-68	13. Washer (2)	50494
Lockwasher (3)	73604-5	14. Spring, Pilot Lever (2)	128009
2. Turntable	128038	15. Washer, Felt	124520
3. Pad	128042	16. Retaining Ring (2)	73724-25
4. Pilot Guide and Shaft Assembly,		17. Mounting Plate Assembly,	
Turntable	136022	Clamp Levers	128052
5. Washer	128015	18. Tube, Pilot	128021
6. Support Casting and Bushing Assembly,		19. Spring, Cam	128008
Turntable	128023	20. Cup Washer	128030
7. Retaining Ring	73727-43	21. Gripring	76922-12
8. Cup Washer (2)	124530	22. Shaft, Cam	135794
9. Spring, Pilot	128007	23. Cam, Clamp Lever	135048
10. Retaining Ring (2)	73724-25	24. Pilot, Turntable	136025
11. Washer	128004		

CABINET



3600 PHONOGRAPH



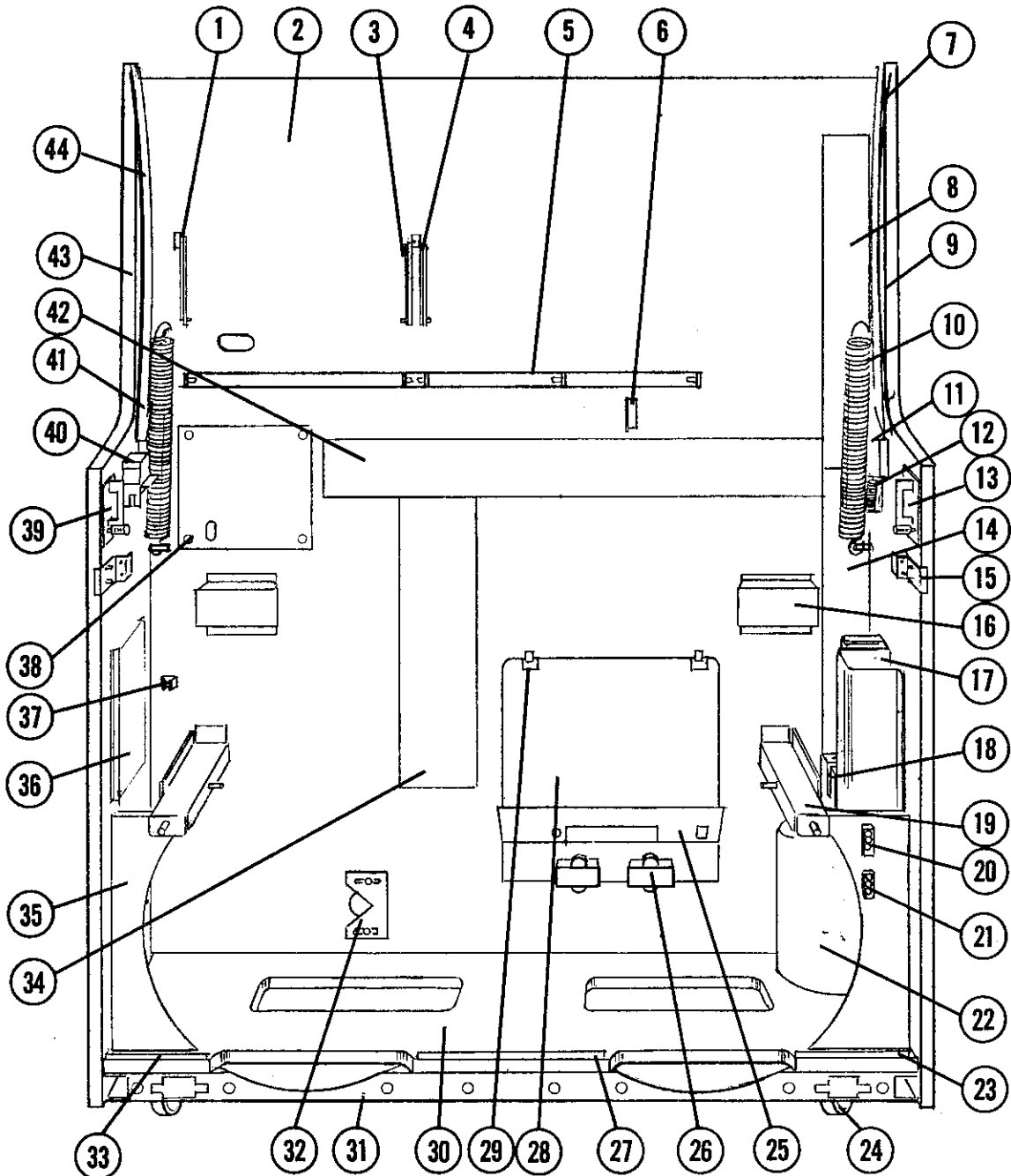
CABINET - FRONT VIEW - ILLUSTRATED PARTS LIST

1. Upper Door Casting	137889	12. Coin Return Cup	68192
2. Screen, Upper Door	138200	13. Frame and Lock Plate Assembly	139106
3. Window, Personalization	138795	14. Cash Box Door Assembly	138597
Light Diffuser	138796	Cash Box Door	138598
Color Shield, Light Orange	138797	Washer	63365
Color Shield, Turquoise	138836	Lock and Key Assembly	118412
Display Sign, Music For Millions	138540	Key Guard	113270
Retainer, Display Sign	138783	Coin Bag	132148
4. *Display Glass and Tape Assembly		15. Trim Strip, Back	138283
Color Shield, Light Orange	138902	16. Trim Strip, Side, R.H.	138281
Color Shield, Turquoise	138903	Trim Strip, Side, L.H.	138282
Glass Clamp, Top and Bottom (2)	138216	17. Lower Grille Screen, Side (2)	138182
Glass Clamp, Side, L.H.	138217	Screen and Tape Assembly, Light Orange	
Glass Clamp, Side, R.H. Upper	138457	(Not Illustrated) (3)	138947
Glass Clamp, Side, R.H. Lower	138458	Screen and Tape Assembly, Turquoise	
5. *Escutcheon and Tape Assembly		(Not Illustrated) (3)	138946
* Window Blank and Decal Assembly		18. Extrusion, Lower, R.H.	138045
Mounting Plate and Light Socket Assembly	138980	19. Extrusion, Pilaster, R.H. (2)	138043
(Bill Accepters only)		20. Pilaster, Light Orange (2)	138081
Glass Clamp Assembly, Side, R.H. Lower	138460	Pilaster, Turquoise (2)	138855
(Preset, Digital & Acceptor)		21. Extrusion, Pilaster, L.H. (2)	138044
Window Clamp, Display Window Center	138218	22. Lower Grille Screen, Center	138181
(Digital and Acceptor)		23. Extrusion, Lower, Center	138047
Mounting Bracket, Glass Clamp, Center	138270	24. Kick Plate	138122
(Digital)		25. Grille Screen	138071
Mounting Bracket, Side (Deluxe)	138266	Backing, Grille Screen	138113
Glass Clamp Assembly, Side, L.H.	138461	26. Extrusion, Lower, L.H.	138046
(3600 and 3660 with Acceptor)		27. Frame Extrusion	138111
Glass Clamp, Center	138267	28. Glass, Service Door, Lt. Orange (3)	138069
(3600 and 3660 with Acceptor)		Glass, Service Door, Turquoise (3)	138858
6. Extrusion, Upper Door, Center	138049	29. Extrusion, Top	138053
7. Window Blank, Coin Denomination	138398	30. Wurlitzer Name Plate, Lt. Orange	138206
*Coin Denomination and Select Label		Wurlitzer Name Plate, Turquoise	138857
Light Diffuser, Coin Denomination	138393	Clamp, Upper (Wurlitzer)	138179
Light Bracket and Cable Assembly	138555	Clamp, Lower (Wurlitzer)	138180
8. Coin Entry Casting Assembly	138541	31. Extrusion, Upper Door, Front	138077
9. Extrusion, Upper Door, Selector Panel	138048	32. *Program Glass	
10. Door Casting, Lower, R.H.	138177	33. Door Casting, Lower, L.H.	138178
11. Lock Assembly	138203	34. Selector Panel, 3600	138040
Key, RW-110	136627	Selector Panel, 3660	138041
Washer	63365	Selector Panel, 3610	138042
Lock Plate, Actuator	138974		
Screw, Lock Plate	138975		
Actuator and Pin Assembly	138349		

* Refer to Page 8 D for illustration and part number

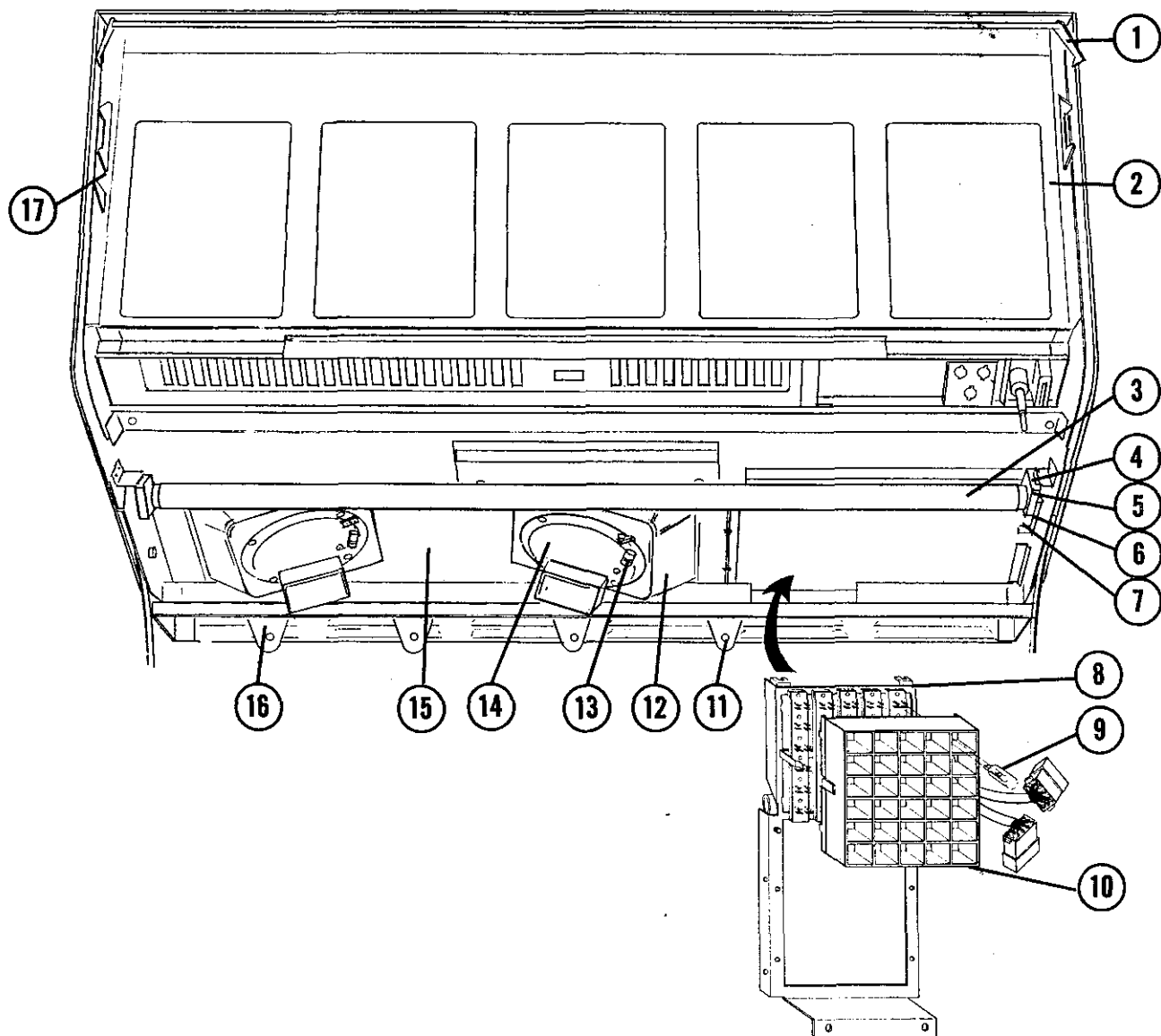
SERVICE DOOR - REAR VIEW - ILLUSTRATED PARTS LIST

1. Frame Weld Assembly	138112	7. Fall Support Assembly (2)	138333
2. Extrusion, Service Door, Top	138053	Chain	138334
3. Glass Clamp, Top and Button (6)	138332	Tubing	76657-9
4. Glass Clamp, Center (4)	138330	S - Hook (2)	138335
5. Latch Lever (2)	138336	8. Glass Clamp, Side (2)	138329
Eccentric Spacer	136185	9. Light Diffuser, Turquoise	138856
Spacer	136522	Light Diffuser, Light Orange	138187
Keps Nut	74262-13	10. Guide, Lower Door (2)	138117
Spring	137250	11. Pivot Bracket, Lower Door (2)	136098
Tip, Actuator, Red	120692	12. Stiffener, Baffle Board	138326
6. Socket, Lamp (2)	131168	13. Speaker, 12"	137054
Plug	117823	14. Baffle Board	138078
Contact (2)	113789	15. Starter	113558
		16. Socket, Starter	53674
		17. Insulator, Starter	50657
		18. Fluorescent Lamp, Daylight, 30W, 36"	128781



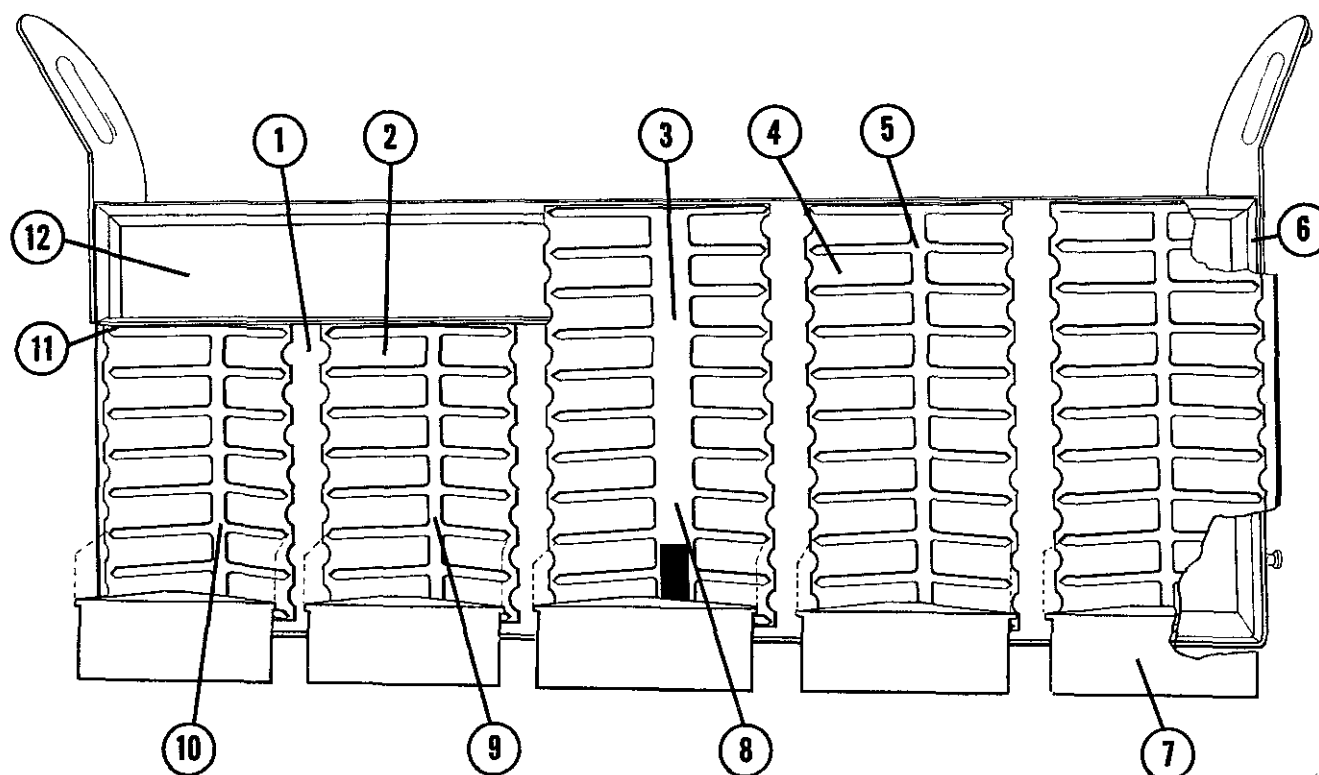
CABINET - INTERIOR VIEW - ILLUSTRATED PARTS LIST

1. Fall Support Assembly	136645	25. Accessory Terminal Panel	138506
2. Backing Plate	138184	Cable Clamp	73804-5
3. Link Assembly (2)	137270	Cable and Plug Assembly	138507
Shoulder Pin (2)	137257	Plug, 6	131172
Retaining Ring (2)	73724-18	Pin Terminal (5)	132000
4. Mounting Bracket, Fall Support	137256	26. Transformer, Audio Output (2)	138508
5. Support Rail and Bracket Assembly	136554	(Part of Item 25)	
6. Bracket, Plug Support	138920	27. Bracket, Door Scuff, Center	138142
7. Fall Support and Pin Assembly, R.H.	138354	Pad, Scuff Plate	74989-41
Roller	124431	28. Accessory Panel Cover	138595
Washer	52858	29. Catch (2)	136667
Retaining Ring	73724-37	30. Bottom Assembly	138088
8. Channel, Cable Retainer	138305	Screen (2)	138089
Cover, Channel, Cable Retainer	138343	31. Mounting Rail and	
9. Side Assembly, Machined, R.H.	138102	Support Bracket Weld Assembly	138106
10. Spring, Fall Support Return (2)	137370	32. Cable Retainer	138373
11. Guide Assembly, R.H.	138350	Carriage Bolt, 10-24 x 1 1/4 (2)	73678-5
12. Spring, Latch, Fall Support (2)	123520	Washer (2)	20519
13. Mounting Bracket and		Wing Nut, 10-24 (2)	76623-4
Latch Plate Assembly, R.H.	138358	33. Bracket, Door Scuff, L.H.	138141
Shoulder Screw	138120	Pad, Bracket Scuff Plate	74989-40
Screw, 10-32 x 3/8 Hex Sem.	76902-48	34. Channel, Cable Retainer	138790
Washer	20519	Cover, Channel, Cable Retainer	138800
Thumb Screw	138559	35. Chassis, Rail and Gusset Assembly L.H.	138125
14. Cover, Channel, Cable Retainer	138799	36. Retainer, Installation Instructions	138916
15. Catch Bracket, Service Door (2)	138143	37. Cable Retainer	137255
16. Cover, Back, Hand Hole (2)	138372	38. Cover, Bottom, Power Supply	136214
Hand Hole Cover Assembly (2)	138371	39. Mounting Bracket and	
17. Coin Return Chute	136394	Latch Plate Assembly, L.H.	138359
18. Light Ballast Assembly	137828	Shoulder Screw	138120
19. Chassis Rail and Gusset Assembly, R.H.	138145	Screw, 10-32 x 3/8 Hex Sem.	76902-48
20. Socket, 3 Circuit	117824	Washer	20519
(Part of Item 18)		Thumb Screw	138559
Contact (2)	113789	40. Scan Switch and Bracket Assembly	138512
21. Receptacle, 3R	134312	Bracket and Actuator Assembly	138792
Contact Terminal (3)	132001	Scan Switch	138513
22. Coin Bag Housing	138172	Cable Assembly	138514
23. Bracket, Door Scuff, R.H.	138615	Plug, 12	137233
Pad, Bracket, Scuff	74989-40	Pin Terminal (7)	132000
24. Caster (4)	128780	41. Guide Assembly, R.H.	138351
Mounting Plate, Caster	137645	42. Channel, Cable Retainer	138306
		Cover, Channel, Cable Retainer	138789
		43. Side Assembly, Machined, L.H.	138103
		44. Fall Support and Pin Assembly, L.H.	138355



UPPER DOOR - INTERIOR - ILLUSTRATED PARTS LIST

1. Latch and Shaft Assembly	138534	9. Lamp (30)	136858
2. Glass Clamp and Slide Assembly, R.H.	138539	10. Shield, Record Playing Window	135936
3. Fluorescent Lamp, 30W, 36" Daylight	128781	11. Latch Rail Assembly, Control Box and Stepper	138709
4. Socket, Lamp (2)	131168	12. Mounting Bracket and Weld Screw Assembly (2)	136228
5. Insulator, Starter	50657	13. Capacitor, 8 Mfd. (2)	77375
6. Socket, Starter	53674	14. Speaker, 6" (2)	136665
7. Starter	113558	15. Mounting Plate and Support Gusset Assembly	138124
8. Mounting Plate, Contact and Cable Assembly	138616	16. Latch Rail Assembly, Amplifier	138709
Diode (10)	76700-23	17. Glass Clamp and Slide Assembly, L.H.	138538
Plug, 15W	131887		
Plug, 15B	131889		
Pin Terminal (28)	132000		

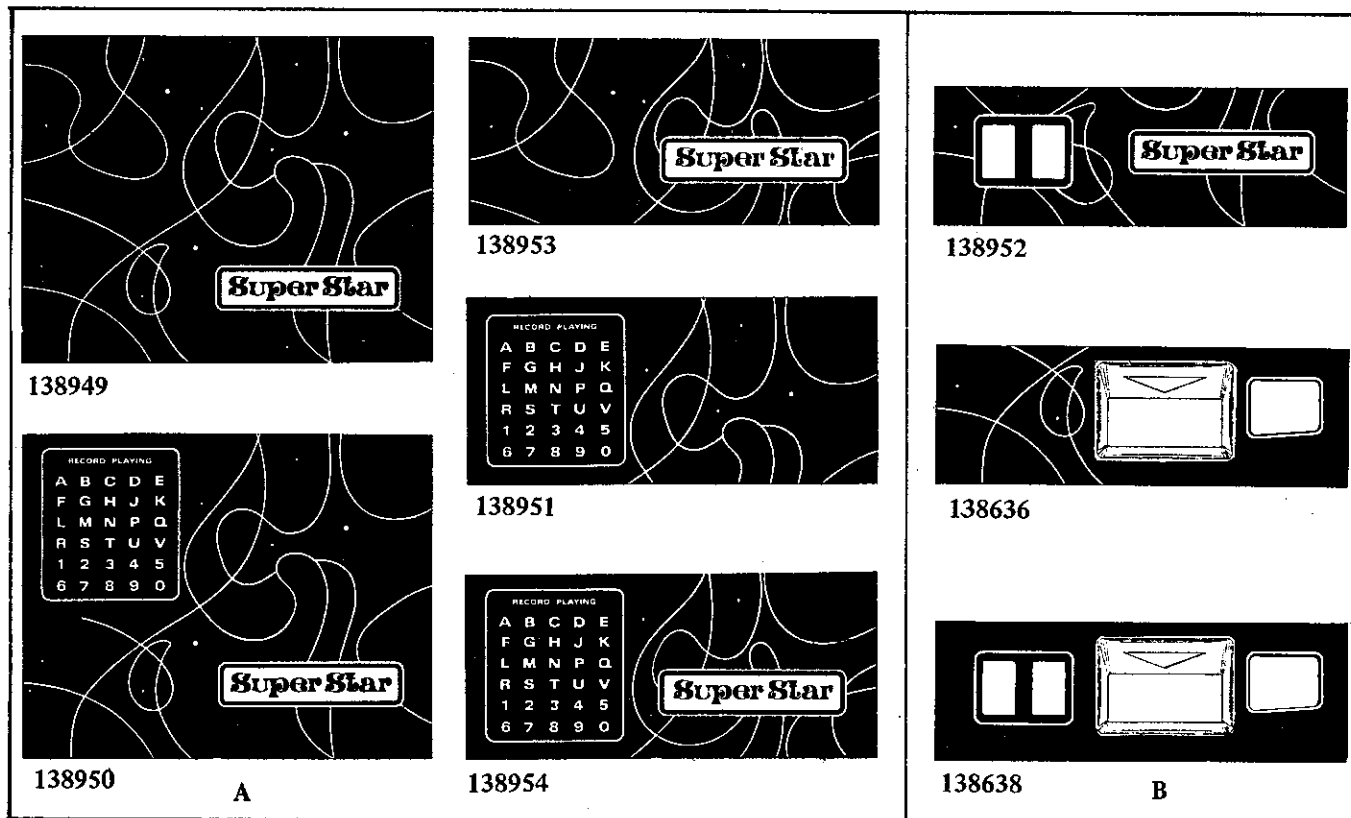


PROGRAM HOLDER - ILLUSTRATED PARTS LIST

1. Extrusion, A1-C0	3600	125451	4. Program Holder (4)	3600-3660	128804
Extrusion, B1-G0	3600	125452	5. Classification Slip		134664
Extrusion, F1-L0	3600	125453	6. Program Holder Frame Assembly	3600	138545
Extrusion, K1-Q0	3600	125454	Program Holder		
Extrusion, P1-U0	3600	125455	Frame Assembly	3660	138546
Extrusion, T1-V0	3600	125456	Program Holder		
Extrusion, A1-B8	3660	134596	Frame Assembly	3610	138547
Extrusion, C1-F8	3660	134597	7. Insert, Program Holder (5)	3660-3610	137185
Extrusion, G1-K8	3660	134598	8. *Label, Preset 2 Program	3600 DLX	138701
Extrusion, L1-P8	3660	134599	Slip Cover, Gold Program	3600 DLX	134925
Extrusion, Q1-T8	3660	134600	9. *Label, Preset 1 Program	3600 DLX	138700
Extrusion, U1-V8	3660	134601	Slip Cover, Red Program	3600 DLX	134924
Extrusion, A1-A0	3610	137468	10. *Label, L.P. Program	3600-3610	134665
Extrusion, B1-C0	3610	137469	Label, L.P. Program	3660	134919
Extrusion, D1-E0	3610	137470	11. Light Shield	3610	137464
Extrusion, F1-G0	3610	137471	12. Light Diffuser	3610	137465
Extrusion, H1-J0	3610	137472			
Extrusion, K1-K0	3610	137473			
2. Program Holder (4)	3610	137466			
3. Program Holder, Center	3600 LP				
	3600 STD				
	3660	134763			
Program Holder, Center	3600 DLX	137362			
Program Holder, Center	3610	137467			

* Refer to Page 8D for location.

NOMENCLATURE LAYOUT - 3600 SERIES PHONOGRAPHS

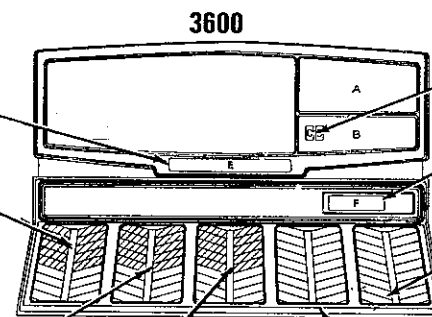


138796 LIGHT DIFFUSER
138795 WINDOW

138797 LIGHT ORANGE
138836 TURQUOISE
OPTIONAL
COLOR SHIELD

134665
L.P. PROGRAM LABEL

138700 PRESET 1
PROGRAM LABEL
134924 RED PROGRAM
SLIP COVER



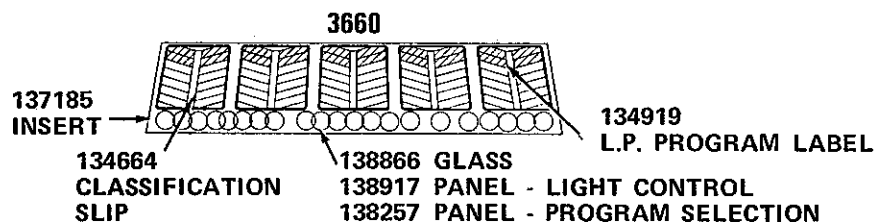
138701 PRESET 2
PROGRAM LABEL
134925 GOLD PROGRAM
SLIP COVER

C - RED INSERT 134836
D - GOLD INSERT 134835

138398 WINDOW
138393 LIGHT DIFFUSER

134664
CLASSIFICATION SLIP

138866 GLASS
138917 PANEL - LIGHT CONTROL
138421 PANEL - PROGRAM SELECTION



137185
INSERT

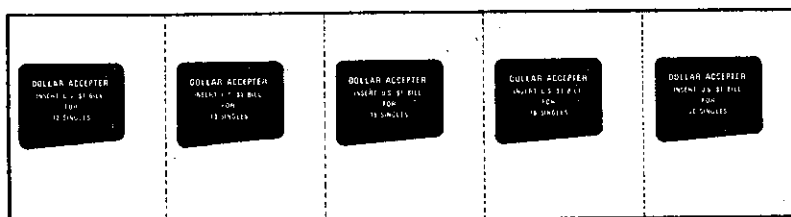
134664
CLASSIFICATION
SLIP

138866 GLASS
138917 PANEL - LIGHT CONTROL
138257 PANEL - PROGRAM SELECTION

134919
L.P. PROGRAM LABEL

Refer to Page 9B

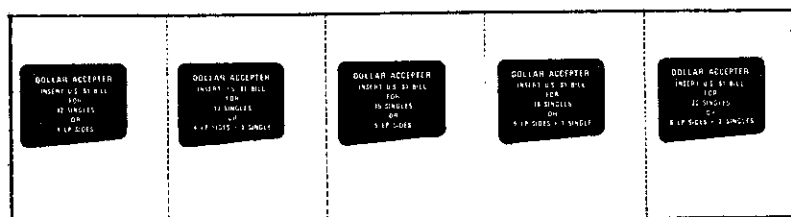
C



138633

Refer to Page 9B

D



138657

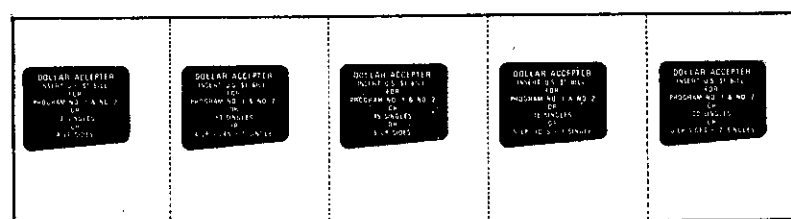
Music for Millions

E

138540

Refer to Pages 4 A and 5 A

F



138665

G

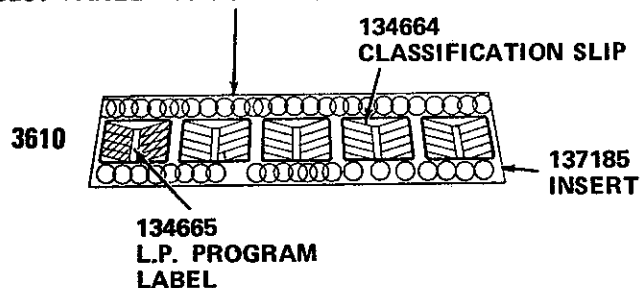
DOLLAR ACCEPTOR



138636 or 138638

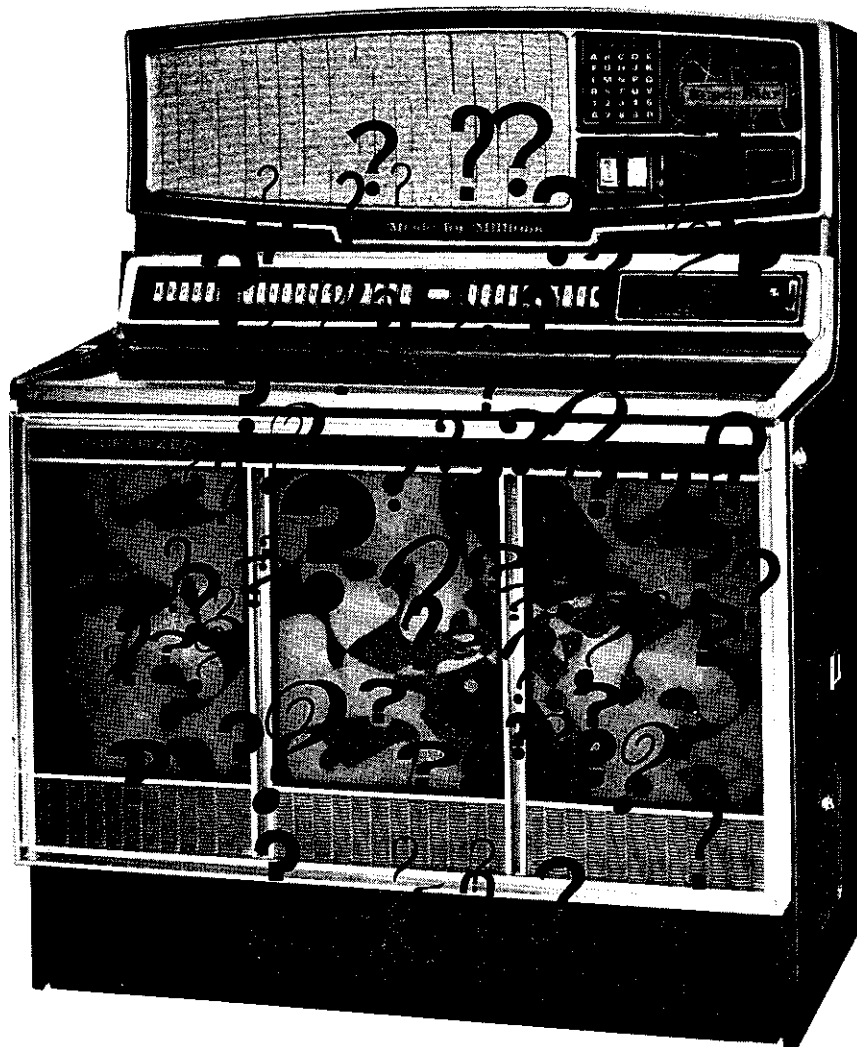
SUPER STAR COLOR SHIELD
 138902 LIGHT ORANGE
 138903 TURQUOISE

138866 GLASS
 138917 PANEL - LIGHT CONTROL
 138261 PANEL - PROGRAM SELECTION



138540 - Display Sign, Music For Millions
 138633 - Coin Denomination Label, Dollar Acceptor
 138636 - Window Blank and Decal Assembly
 138638 - Window Blank and Decal Assembly
 138657 - Coin Denomination Label, Dollar Acceptor
 138665 - Coin Denomination Label, Dollar Acceptor
 138949 - Display Glass and Tape Assembly
 138950 - Display Glass and Tape Assembly
 138951 - Display Glass and Tape Assembly
 138952 - Escutcheon and Tape Assembly
 138953 - Display Glass and Tape Assembly
 138954 - Display Glass and Tape Assembly

TROUBLE SHOOTING



POWER AND LIGHT SYSTEM

SYMPTOMS	CAUSE	CORRECTIONS
1. FLUORESCENT LAMPS do not light; phonograph does not operate.	(a) LINE CORD PLUG not making contact in outlet.	Repair or replace plug or outlet.
	(b) Internal break in LINE CORD.	Repair or replace LINE CORD.
	(c) 15 amp. LINE FUSE blown.	Check for shorts in phonograph wiring.
	(d) "House" FUSE blown.	Check for overload. Replace FUSE.
	(e) LINE SWITCH off.	Turn LINE SWITCH on.
	(f) LINE SWITCH defective.	Replace LINE SWITCH in POWER SUPPLY.
2. FLUORESCENT LAMPS do not light; PHONOGRAPH operates normally.	(a) Defective LAMP or STARTER.	Replace LAMP or STARTER.
	(b) Defective BALLAST.	Replace BALLAST.
	(c) Open circuit in LAMP, STARTER or BALLAST wiring.	Trace and repair, see WIRING DIAGRAMS.
	(d) BALLAST LINE PLUG out of POWER SUPPLY SOCKET.	Insert PLUG.
3. SINGLE SELECT LAMP does not light; PHONOGRAPH operates normally.	(a) LAMP burned out.	Replace with GE-12 LAMP.
	(b) Dirty contacts 7-11 in RY-1.	Clean contacts.
	(c) MOLEX PLUG on SELECTOR SWITCH not seated in SOCKET.	Seat SOCKET.
4. L.P. SELECT LAMP does not light; PHONOGRAPH operates normally.	(a) 50 OHM RESISTOR open, mounted in CONTROL BOX.	Replace RESISTOR.
	(b) Dirty contacts in RY-3, RY-4, RY-7 or RY-11.	Clean contacts.

COIN AND CREDIT SYSTEM

SYMPTOMS	CAUSE	CORRECTIONS
1. Coins rejected or hang in SLUG REJECTOR.	(a) Bind in REJECT ROD ASSEMBLY holding REJECTOR GATE open.	Remove bind, check for damaged parts.
	(b) Dirt in REJECTOR.	Clean REJECTOR.
	(c) REJECTOR improperly adjusted.	See NATIONAL REJECTORS OPERATION and SERVICE MANUAL for 01-34 SERIES COIN SELECTOR.
	(d) PHONOGRAPH not level.	Level PHONOGRAPH; see page 2A.
2. Coins reach COIN BAG but do not establish credits.	(a) +12V. or -28V. CIRCUIT BREAKER tripped, located in CONTROL BOX.	Reset CIRCUIT BREAKER.
	(b) SLUG REJECTOR or BO/AC PLUGS not firmly seated in socket.	Seat PLUG firmly in socket.
	(c) Incorrect alignment of REJECTOR and COIN SWITCH PADDLES.	Seat REJECTOR properly in MOUNTING CHANNEL.
	(d) Dirty or improperly adjusted COIN SWITCH.	Clean and adjust COIN SWITCH; see page 3A.
	(e) RY-1, RY-6 or RY-7 not seated in socket.	Check RELAYS.
	(f) SELECTOR SERIES SWITCHES open.	Clean and adjust SERIES SWITCHES; see page 5B.
	(g) PROGRAM CARD not seated in BO/AC.	Check PROGRAM CARD.
	(h) STEPPER JUMPER PLUG missing from CONTROL BOX.	Replace JUMPER PLUG.
	(i) Defective LATCH SOLENOID.	Replace LATCH SOLENOID.
	(j) BUTTON RELEASE SWITCH (n.c.) open.	Check BUTTON RELEASE SWITCH; see SEQUENCE OF OPERATION.
3. Incorrect number of selections for coin deposited.	(a) Wrong PROGRAM CARD in BO/AC.	Check PROGRAM CARD; see pages 4A and 5A.
	(b) L.P. CONVERSION SWITCHES improperly positioned.	Check L.P. CONVERSION SWITCHES; see INSTALLATION INSTRUCTIONS.

SELECTION SYSTEM

SYMPTOMS	CAUSE	CORRECTIONS
1. SELECTOR SWITCH LATCH SOLENOID does not operate with credits established.	(a) Dirty or incorrectly adjusted SELECTOR CONTROL SWITCH contacts.	Clean and adjust CONTROL SWITCH; see page 4B and SEQUENCE OF OPERATION.
	(b) BUTTON RELEASE SWITCH (n.c.) open.	Check BUTTON RELEASE SWITCH; see SEQUENCE OF OPERATION.
	(c) Open contact in RY-1, RY-6 or RY-7.	Check RELAY contacts; see SEQUENCE of OPERATION.
2. LATCH SOLENOID chatters when credit is established.	(a) 85 OHM RESISTOR (mounted on SELECTOR SWITCH ASSEMBLY) open.	Replace RESISTOR; see SEQUENCE OF OPERATION.
3. SELECTION ACCUMULATOR MOTOR does not start, SELECTOR BUTTONS remain locked in.	(a) NUMBER or LETTER LATCH SWITCHES dirty or incorrectly adjusted.	Clean and adjust SWITCHES; see page 5B and SEQUENCE OF OPERATION.
	(b) Open contacts in RY-2.	Check RELAY contacts; see SEQUENCE OF OPERATION.
	(c) Blown 8 AMP. FUSE, in CONTROL BOX.	Replace FUSE; see WIRING DIAGRAM.
4. SELECTION ACCUMULATOR MOTOR runs continuously, BUTTONS locked in.	(a) RY-3 and RY-4 fail to operate.	Check RY-3 and RY-4, check SELECTION ACCUMULATOR CONTACT BOARD and BLADES; see SEQUENCE OF OPERATION.
5. SELECTION ACCUMULATOR MOTOR runs. LATCH PIN not released.	(a) LATCH SOLENOID CONTROL SWITCHES dirty or incorrectly adjusted.	Clean and adjust SWITCHES; see page 4B and SEQUENCE OF OPERATION.
	(b) Defective STEPPER JUMPER PLUG in CONTROL BOX.	Check STEPPER JUMPER PLUG; see SEQUENCE OF OPERATION.
	(c) Defective SELECTOR MAGNET or ZENER DIODE.	Replace MAGNET or DIODE; see SEQUENCE OF OPERATION.
	(d) Incorrect SELECTION ACCUMULATOR adjustment.	Check adjustments; see page 4C.
	(e) Dirty SELECTION ACCUMULATOR BOARD.	Clean BOARD.
	(f) Defective DIODE D-3 or 500 MFD CAPACITOR.	Replace DIODE or CAPACITOR; see SEQUENCE OF OPERATION.
	(g) Incorrect adjustment of LETTER or NUMBER SELECTOR SWITCH LATCH LEVER.	Adjust LATCH LEVERS; see page 3B.

SELECTION SYSTEM (cont'd.)

SYMPTOMS	CAUSE	CORRECTIONS
6. Two SELECTOR LATCH PINS released when only one is selected.	(a) Incorrect vertical alignment of MAGNET LAMINATIONS.	Align MAGNET LAMINATIONS; see page 4C.
	(b) Foreign materials (screws, washers etc.) on SELECTION ACCUMULATOR CONTACT BOARD.	Remove foreign materials.
	(c) Incorrectly adjusted CONTACT PLATE and BLADE ASSEMBLY.	Adjust PLATE and BLADE; see page 4C.
7. Wrong SELECTOR LATCH PINS released.	(a) Incorrectly adjusted CONTACT PLATE and BLADE ASSEMBLY.	Adjust PLATE and BLADE; see page 4C.

OVERRIDE SYSTEM

SYMPTOMS	CAUSE	CORRECTIONS
1. SELECTOR LATCH PIN released. RECORD MAGAZINE fails to scan.	(a) Defective OVERRIDE MAGNET.	Check MAGNET; see page 5C and SEQUENCE OF OPERATION.
	(b) Dirty or incorrectly adjusted OVERRIDE SWITCH.	Clean and adjust SWITCH; see page 5C and SEQUENCE OF OPERATION.
	(c) Improper adjustment of OVERRIDE ASSEMBLY.	Check OVERRIDE ASSEMBLY adjustments; see page 5C.
	(d) Dirty contacts in RY-10, OVERRIDE RELAY.	Clean RELAY contacts; see SEQUENCE OF OPERATION.
	(e) MAGAZINE LOCK SOLENOID CIRCUIT BREAKER tripped.	Reset CIRCUIT BREAKER.
	(f) 1 SIDE or 2 SIDE READOUT SWITCHES not in normally closed position.	Check READOUT SWITCHES; see page 9C.
2. RECORD MAGAZINE fails to return to rest position after last selection has been played.	(a) OVERRIDE ASSEMBLY incorrectly adjusted.	Adjust OVERRIDE ASSEMBLY; see page 5C.

RECORD CHANGER MECHANICAL AND ELECTRICAL SYSTEMS

SECTION E

SYMPTOMS		CAUSE		CORRECTIONS	
1.	MAGAZINE LOCK SOLENOID fails to energize when OVER-RIDE RELAY contacts close.	(a)	MAGAZINE LOCK SOLENOID CIRCUIT BREAKER tripped.	Reset CIRCUIT BREAKER.	
		(b)	RUN-LOAD-SCAN SWITCH not in run position.	Position SWITCH to run.	
		(c)	Defective or incorrectly adjusted TRANSFER SWITCH.	Check TRANSFER SWITCH and adjustments; see page 12C and SEQUENCE OF OPERATION.	
		(d)	Open contacts in READOUT SWITCHES.	Check READOUT SWITCHES; see page 9C.	
2.	MAGAZINE DRIVE MOTOR fails to rotate RECORD MAGAZINE.	(a)	Defective or incorrectly adjusted MAGAZINE LOCK SWITCH.	Check SWITCH and adjustment; see page 7C.	
		(b)	MAGAZINE LOCK SOLENOID CIRCUIT BREAKER tripped.	Reset CIRCUIT BREAKER.	
		(c)	Defective MAGAZINE MOTOR.	Replace MOTOR.	
3.	SELECTOR LATCH PIN released; RECORD MAGAZINE rotates two revolutions without stopping, then comes to rest.	(a)	Defective or incorrectly adjusted READOUT SWITCHES.	Check SWITCHES and adjustments; see page 9C.	
4.	Selection played does not correspond to LATCH PIN released.	(a)	Defective or incorrectly adjusted READOUT SWITCH or ACTUATOR.	Check and adjust SWITCH and ACTUATOR; see page 9C.	
		(b)	MAIN CAM MOTOR BRAKE INOPERATIVE.	Check BRAKE; see page 11C.	
5.	Plays wrong side of record.	(a)	SIDE 1 SHIFT incorrectly adjusted.	Adjust SIDE 1 SHIFT; see page 14C.	
6.	Repeats selection, SELECTOR LATCH PIN cancelled.	(a)	Defective or incorrectly adjusted 1 SIDE or 2 SIDE READOUT SWITCH.	Check SWITCH and adjustments; page 9C and SEQUENCE OF OPERATION.	
		(b)	Defective or incorrectly adjusted TRANSFER SWITCH.	Check SWITCH and adjustments; see page 12C and SEQUENCE OF OPERATION.	
7.	Repeats selection selected, SELECTOR LATCH PIN not cancelled.	(a)	Defective or incorrectly adjusted CANCEL SWITCH.	Check SWITCH and adjustment; see page 13C and SEQUENCE OF OPERATION.	
		(b)	Defective 305 LAMP or SOCKET.	Check LAMP and SOCKET (mounted under RECORD CHANGER).	

RECORD CHANGER MECHANICAL AND ELECTRICAL SYSTEMS (cont'd.)

SYMPTOMS	CAUSE	CORRECTIONS
	(c) Defective CANCEL COIL.	Check COIL.
	(d) Defective or incorrectly adjusted SIDE 1 SOLENOID SWITCHES.	Check SWITCHES; see page 14C and SEQUENCE OF OPERATION.
	(e) CANCEL SOLENOID incorrectly adjusted.	Check CANCEL SOLENOID adjustment; see page 8C.
8. Repeats selection adjacent to one selected.	(a) 1 SIDE or 2 SIDE READOUT SWITCH or ACTUATOR incorrectly adjusted.	Check READOUT SWITCH and ACTUATOR adjustments; see page 9C.
9. Plays unselected selections at random. RECORD ARM RECORD CLAMP catches on RECORD MAGAZINE spacer.	(a) MAIN CAM MOTOR BRAKE SOLENOID defective or incorrectly adjusted.	Check SOLENOID and adjustment, clean BRAKE WHEEL and PAD; see page 11C.
10. RECORD MAGAZINE scans to selected position, RECORD CHANGER stops as record is being clamped in RECORD ARM.	(a) Incorrectly adjusted READOUT SWITCH ACTUATOR.	Adjust ACTUATOR; see page 9C.
11. Record not properly positioned on TURNTABLE.	(a) TURNTABLE not properly positioned when at rest position.	Check TURNTABLE DRIVE WHEEL adjustment; see page 16C.
	(b) Foreign material under ROLLERS of TURNTABLE and MOUNTING PLATE ASSEMBLY.	Remove foreign material.
	(c) TURNTABLE shipping bracket improperly positioned.	Shift shipping bracket to rear, tighten mounting screws.
12. Record is placed on TURNTABLE then immediately returned to RECORD MAGAZINE.	(a) Defective or incorrectly adjusted TRIP SWITCH.	Check TRIP SWITCH; see page 19C.
	(b) Defective or incorrectly adjusted PLAY SWITCH.	Check PLAY SWITCH; see page 20C and SEQUENCE OF OPERATION.
	(c) Short in remote control cancel circuit.	Check remote control circuits; see WIRING DIAGRAM.
	(d) Defective CANCEL SWITCH in AMPLIFIER.	Check SWITCH.
	(e) MAIN CAM MOTOR BRAKE SOLENOID defective or incorrectly adjusted.	Check SOLENOID and adjust, clean BRAKE WHEEL and PAD; see page 11C.

RECORD CHANGER MECHANICAL AND ELECTRICAL SYSTEMS (cont'd.)

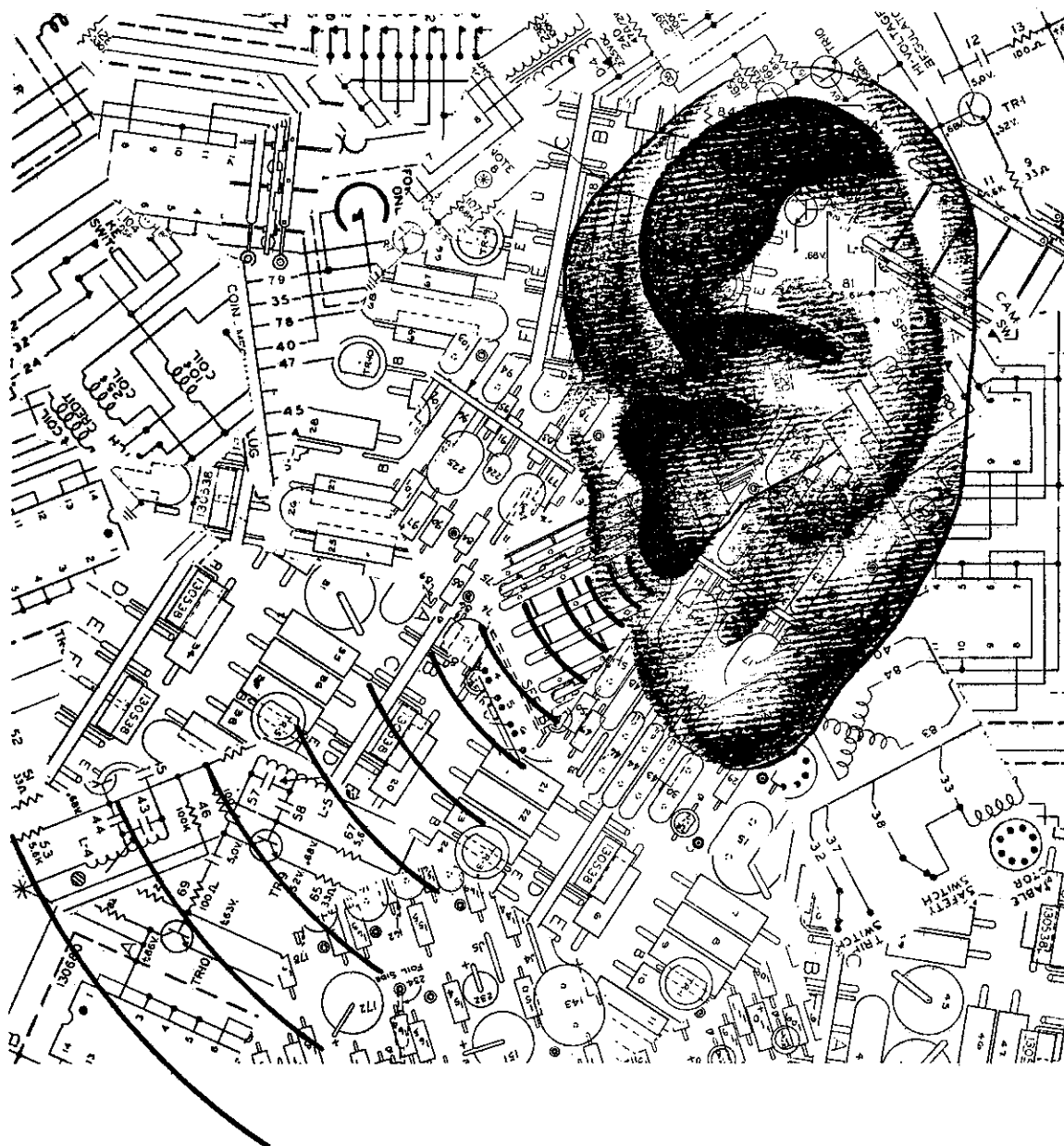
SYMPTOMS	CAUSE	CORRECTIONS
13. 33-1/3 RPM records fail to seat on TURNTABLE.	(a) Foreign materials or broken LEVER SPRING in TURNTABLE PILOT.	Remove foreign materials, check LEVER SPRINGS inside PILOT.
14. TONE ARM STYLUS misses record.	(a) TONE ARM RELEASE incorrectly adjusted.	Check TONE ARM RELEASE adjustment; see page 19C.
	(b) TONE ARM FEED-IN incorrectly adjusted.	Check TONE ARM RELEASE adjustment, page 19C, then TONE ARM FEED-IN adjustment, page 19C.
15. TURNTABLE does not turn, record in play position.	(a) TURNTABLE MOTOR not plugged in.	Check TURNTABLE MOTOR PLUG.
	(b) TURNTABLE BELTS off DRIVE WHEEL or TURNTABLE.	Check BELTS.
	(c) Defective TURNTABLE MOTOR.	Replace MOTOR.
	(d) TURNTABLE DRIVE WHEEL incorrectly adjusted.	Check TURNTABLE DRIVE WHEEL adjustment; see page 16C.
	(e) Open contacts in RY-10, OVERRIDE RELAY.	Check RY-10.
16. 45 RPM records play at 33-1/3 RPM.	(a) TURNTABLE PILOT fails to reset.	Check TURNTABLE PILOT RESET adjustments; see page 21C.
	(b) TURNTABLE SPEED CHANGE ASSEMBLY incorrectly adjusted.	Check TURNTABLE SPEED CHANGE adjustments; see page 17C.
	(c) TURNTABLE DRIVE WHEEL CABLE off ADJUSTING PULLEY.	Check CABLE and PULLEY (located under TURNTABLE DRIVE WHEEL ADJUSTMENT PLATE); see page 17C.
17. TONE ARM jumps grooves producing a THUMPING SOUND.	(a) Excessive lint and dust on TONE ARM STYLUS.	Check STYLUS BRUSH; see page 18C.
	(b) Incorrect TONE ARM STYLUS pressure.	Check STYLUS PRESSURE; see page 20C.
18. Excessive record wear.	(a) Worn or chipped TONE ARM STYLUS.	Replace STYLUS.
	(b) Incorrect TONE ARM STYLUS PRESSURE.	Check STYLUS PRESSURE; see page 20C.
	(c) Bind in TONE ARM ASSEMBLY.	Check TONE ARM ASSEMBLY for freedom of movement.

RECORD CHANGER MECHANICAL AND ELECTRICAL SYSTEMS (cont'd.)

SYMPTOMS	CAUSE	CORRECTIONS
19. Record fails to enter RECORD MAGAZINE.	(a) RECORD TAKEOUT ARM and RECORD GUIDE incorrectly aligned.	Align RECORD TAKEOUT ARM and RECORD GUIDE; see page 13C.
	(b) Foreign material in RECORD TAKEOUT BEVEL GEARS.	Remove foreign material.
	(c) Broken RECORD ARM SPRING.	Replace SPRING.
20. SELECTION ACCUMULATOR MOTOR runs continuously.	(a) RY-3 and/or RY-4 fails to energize.	Check SAFETY CIRCUIT; see SEQUENCE OF OPERATION.

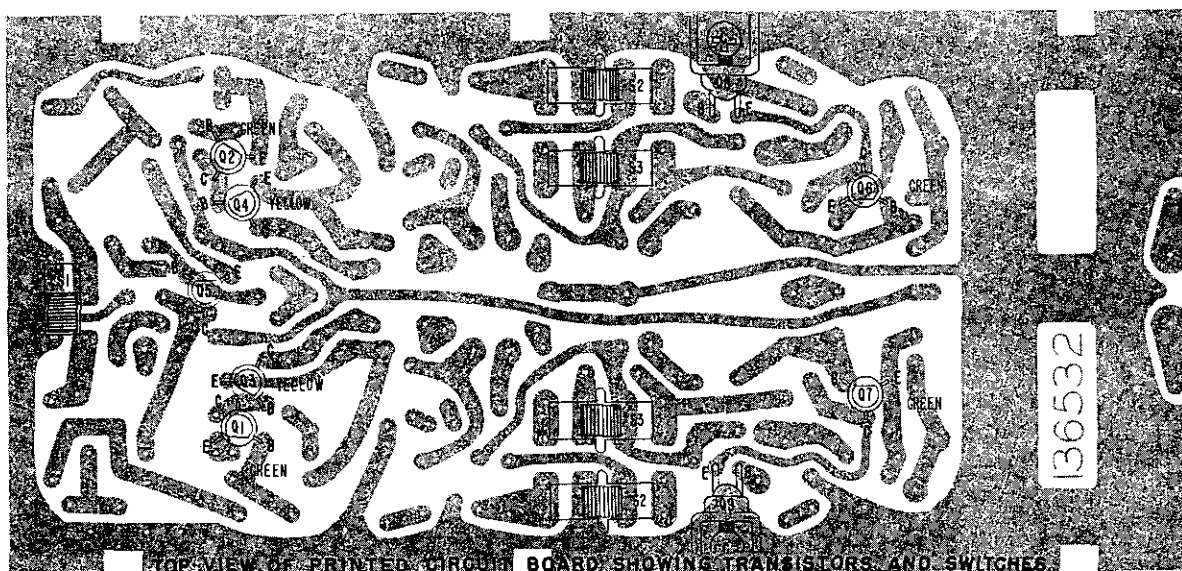
NOTES

ELECTRICAL AND SOUND SYSTEMS

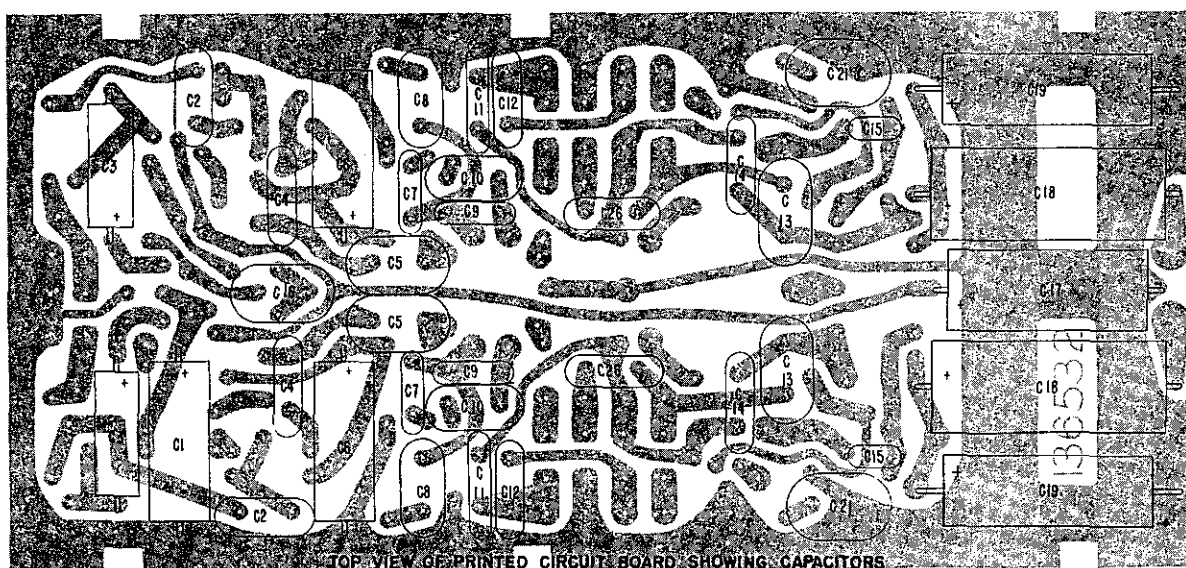


WIRING DIAGRAM COLOR CODE

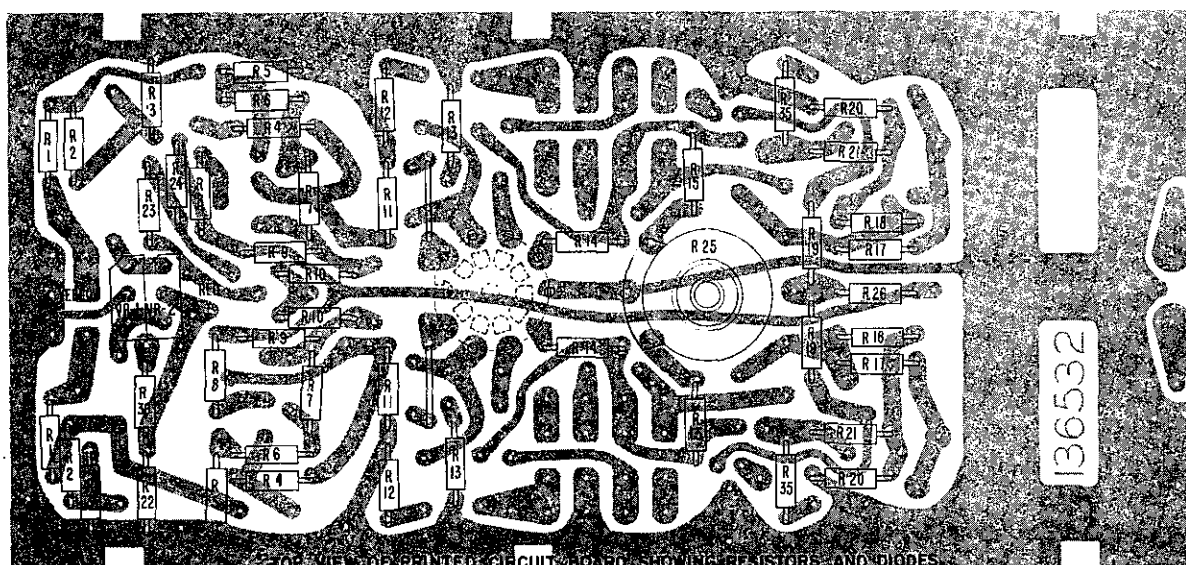
100	160-200	SOLID COLOR WIRE	TRACER	100-160-200	SOLID COLOR WIRE	TRACER
1	A	Tan	Brown	39	White	None
2	B	Red	Brown	40	Black	None
3	C	Orange	Brown	41	Brown	Yellow
4	D	Yellow	Brown	42	Red	Yellow
5	E-EE	Lt. Green	Brown	43	Orange	Yellow
6	F-FF	Lt. Blue	Brown	44	Tan	Yellow
7	G	Purple	Brown	45	Dr. Green	Yellow
8	H	Gray	Brown	46	Dr. Blue	Yellow
9	J-JJ	White	Brown	47-147	Purple	Yellow
10	K-KK	Pink	Brown	48	Gray	Yellow
101	L	Brown	Black	49	White	Yellow
102	M	Red	Black	50	Black	Yellow
103	N	Orange	Black	51	Brown	Green
104	P	Yellow	Black	52	Red	Green
105	Q	Lt. Green	Black	53	Orange	Green
106	R	Lt. Blue	Black	54-154	Yellow	Green
107	S	Purple	Black	55	Tan	Green
108	T	Gray	Black	56	Lt. Blue	Green
109	U	White	Black	57	Purple	Green
110	V	Tan	Black	58	Gray	Green
				59-159	White	Green
A-B	1-91	Brown	Orange	60	Black	Green
C-D	2	Red	Orange	61	Brown	Blue
E-F	3	Tan	Orange	62	Red	Blue
G-H	4	Yellow	Orange	63	Orange	Blue
J-K	5	Lt. Green	Orange	64	Yellow	Blue
	6	Lt. Blue	Orange	65	Lt. Green	Blue
	7	Purple	Orange	66	Tan	Blue
	8	Gray	Orange	67	Pink	Blue
	9	White	Orange	68	Gray	Blue
	10-110	Black	Orange	69	White	Blue
				70	Black	Blue
				71-11	Brown	Purple
				72-12	Red	Purple
				73-13	Orange	Purple
				74-14	Yellow	Purple
				75-15	Lt. Green	Purple
				76-16	Lt. Blue	Purple
				77-17	Tan	Purple
				78-18	Gray	Purple
				79	White	Purple
				80-20	Black	Purple
				81	Brown	White
				82	Red	White
				83	Orange	White
				84	Yellow	White
				85	Lt. Green	White
				86	Lt. Blue	White
				87	Purple	White
				88	Gray	White
				89	Tan	White
				90	Black	White
				133-254	Pink	None
				554	Lt. Green	None
				654	Lt. Blue	None
				532	Pink	None
100-160-200						
	19	White	Purple			
	21	Brown	Red			
	22-322-422	Tan	Red			
	23	Orange	Red			
	24	Yellow	Red			
	25	Lt. Green	Red			
	26	Lt. Blue	Red			
	27	Purple	Red			
	28	Gray	Red			
	29	White	Red			
	30	Black	Red			
	31	Tan	None			
	32	Red	None			
	33-354	Orange	None			
	34-454	Yellow	None			
	35-135-235	Dr. Green	None			
	36	Dr. Blue	None			
	37-754	Purple	None			
	38-854	Gray	None			



TOP VIEW OF PRINTED CIRCUIT BOARD SHOWING TRANSISTORS AND SWITCHES



TOP VIEW OF PRINTED CIRCUIT BOARD SHOWING CAPACITORS



TOP VIEW OF PRINTED CIRCUIT BOARD SHOWING RESISTORS AND DIODES

SPEAKER CONNECTIONS

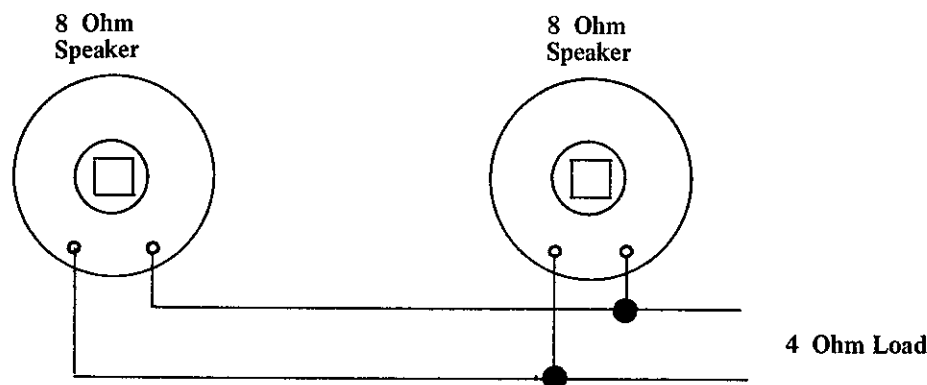
PHONOGRAPH SPEAKERS

The phonograph speakers are low impedance speakers and are normally connected to the A and G terminals of each channel of the Model 553 Amplifier. They may be moved to either B, C, or D terminals for required loudness level with respect to loudness level of auxiliary speakers.

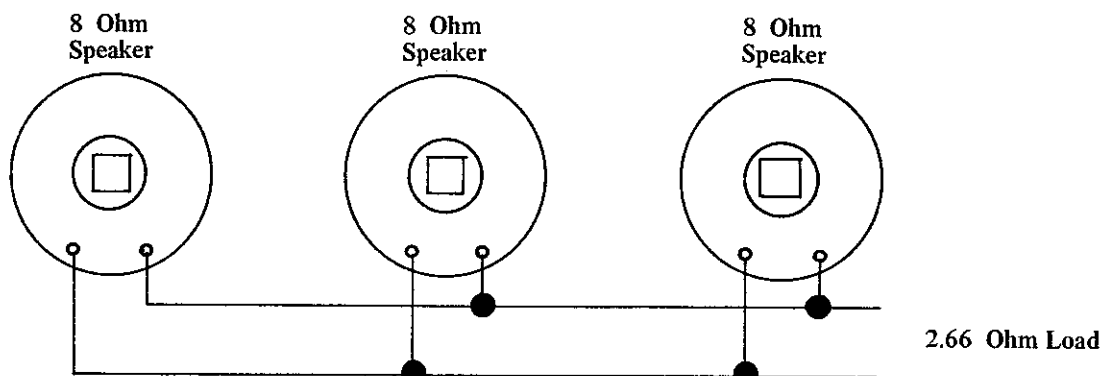
LOW IMPEDANCE AUXILIARY SPEAKERS

The impedance of a speaker is expressed in ohms. Most low impedance auxiliary speakers (speakers without matching transformers) used with coin operated phonographs have an impedance of 8 ohms, that is, they present a load of 8 ohms when connected to the output terminals of an amplifier.

Two 8 ohm speakers connected in parallel present a load of 4 ohms:



Three 8 ohm speakers connected in parallel present a load of 2.66 ohms:



CAUTION

DO NOT CONNECT LOW IMPEDANCE SPEAKERS (speakers without matching transformers) TO CV (constant voltage) TERMINALS.

LOAD PRESENTED BY 8 OHM SPEAKERS CONNECTED IN PARALLEL

Number of Speakers	Load in Ohms	Number of Speakers	Load in Ohms
2	4	10	.8
3	2.66	11	.72
4	2	12	.66
5	1.6	13	.61
6	1.33	14	.57
7	1.14	15	.53
8	1	16	.5
9	.88		

The phonograph cabinet speakers as well as ONE GROUP of from one to sixteen 8 ohm auxiliary speakers may be connected to each channel of the low impedance terminal board.

The following chart specifies the maximum permissible auxiliary speaker load (expressed in ohms) per channel.

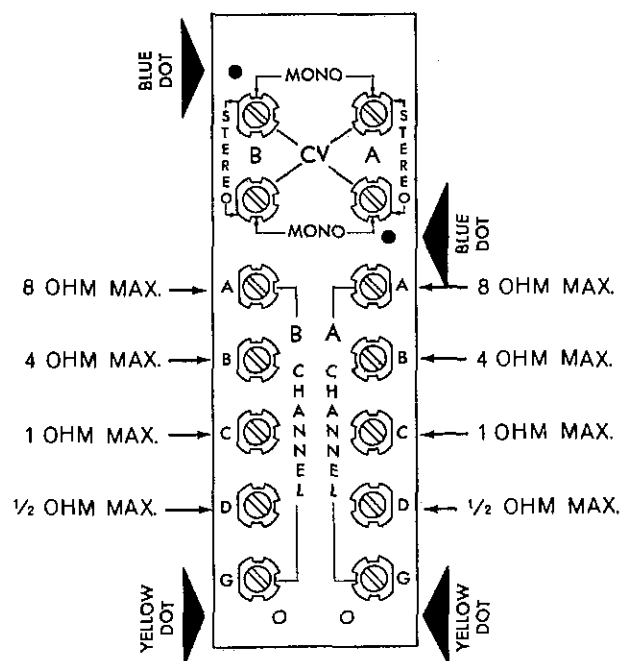
The load may be less than the values stated but in no case shall it be greater.

NOTE

The LOWER the value in ohms, the GREATER the load; a 4 ohm load is GREATER than an 8 ohm load. A 4 ohm load is LESS than a 2 ohm load.

MAXIMUM LOAD PER CHANNEL

Phonograph Speakers Connected To:	Terminal	Maximum Load
A & G	A & G	-----
	B & G	8 ohms
	C & G	2 ohms
	D & G	1 ohm
B & G	A & G	-----
	B & G	8 ohms
	C & G	2 ohms
	D & G	.72 ohms
C & G	A & G	-----
	B & G	8 ohms
	C & G	2 ohms
	D & G	.66 ohms
D & G	A & G	-----
	B & G	8 ohms
	C & G	2 ohms
	D & G	.5 ohms
Not Connected	A & G	8 ohms
	B & G	4 ohms
	C & G	1 ohm
	D & G	.5 ohms



EXAMPLE: Refer to the third group of values in which the phonograph speakers are connected to C & G.

The A & G terminals must not be used.

An 8 ohm load (one 8 ohm speaker) may be connected to B & G.

A 2 ohm load (up to four 8 ohm speakers connected in parallel) may be connected to C & G.

A .66 ohm load (up to twelve 8 ohm speakers connected in parallel) may be connected to D & G.

NOTE

ONLY ONE OF THE ABOVE LOADS (group of auxiliary speakers) MAY BE CONNECTED TO EACH CHANNEL.

PHASING OF LOW IMPEDANCE SPEAKERS

The G terminal of low impedance speakers should be connected to one of the G terminals of the Model 553 Amplifier. Right channel speakers should be connected to one of the A channel terminals and left channel speakers to one of the B channel terminals.

Most speaker manufacturers mark one speaker terminal with a color dot. The unmarked terminal is G and should be connected to the G terminal of the Model 553 Amplifier.

CONSTANT VOLTAGE (CV) LINE

When speakers with 70.7 Volt line transformers are connected to the CV terminals (either stereo or mono terminal connections) and when no speakers, including the Phonograph speakers, are connected to the low impedance terminals, the maximum wattage per CV channel is 40 watts. The loudness control should be adjusted for approximately full loudness to obtain the 70.7 Volt RMS output across the CV terminals.

CONSTANT VOLTAGE (CV) SPEAKERS

Parallel connected constant voltage speakers (those equipped with 70.7 Volt line transformers) should be connected to the CV terminals, either stereo or mono, of the Model 553 Amplifier. For stereo the right channel speakers should be connected across the A channel CV terminals and the left channel speakers should be connected across the B channel CV terminals.

The sum of the transformer wattage taps employed on each channel must not exceed the following:

Phonograph Speakers Connected to G and:	Maximum Sum of CV Transformer Wattage Taps Employed:
A	20
B	30
C	35
D	37.5
Not Connected	40

PHASING OF CV SPEAKERS

Two of the terminals of the Model 553 Amplifier CV terminals are identified by blue dots and are the terminals to which the G or common terminal of 70.7 Volt line transformers should be connected for each channel, either stereo or mono.

CAUTION

Blue dot terminals are not common with each other (they are of different channels) nor are they common with any other terminals.

WURLITZER SATELLITE SELECTIVE CONSOLE SPEAKER

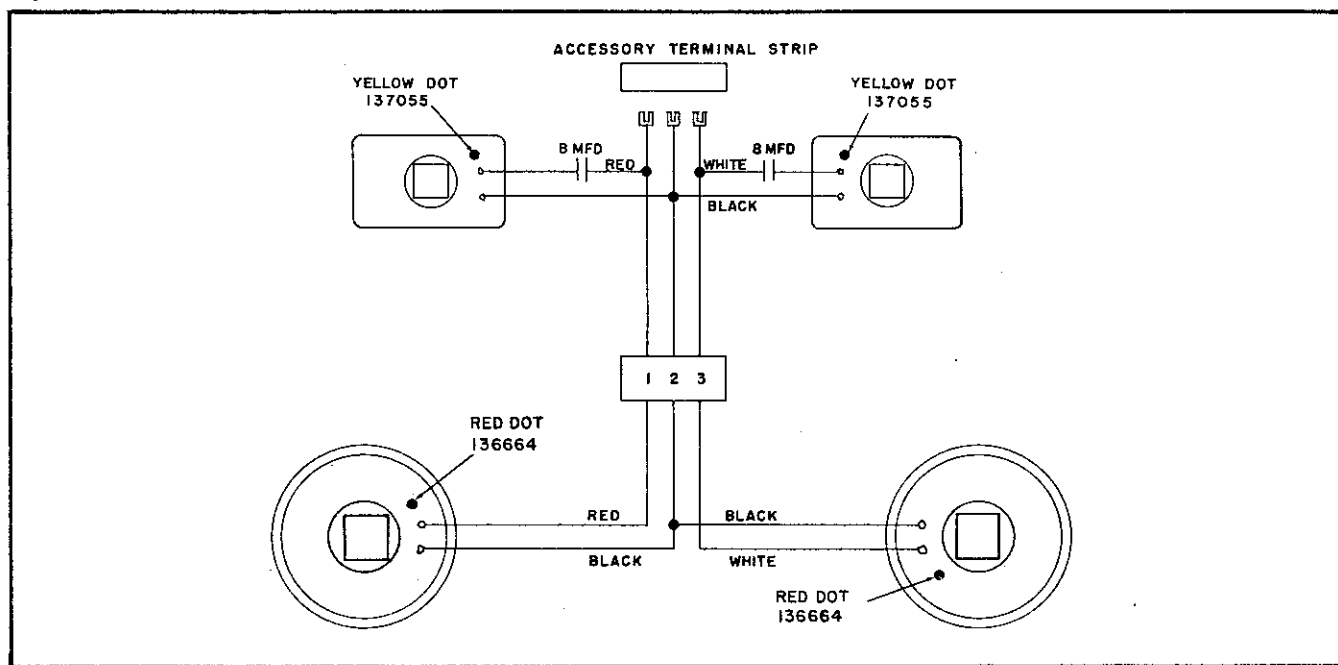
The speaker load of the Satellite is 16 ohms per channel (same as phonograph). Provided no other auxiliary speakers are connected, Satellite speakers may be connected to A, B, C or D and G of each channel regardless of where the phonograph speakers are connected.

CAUTION

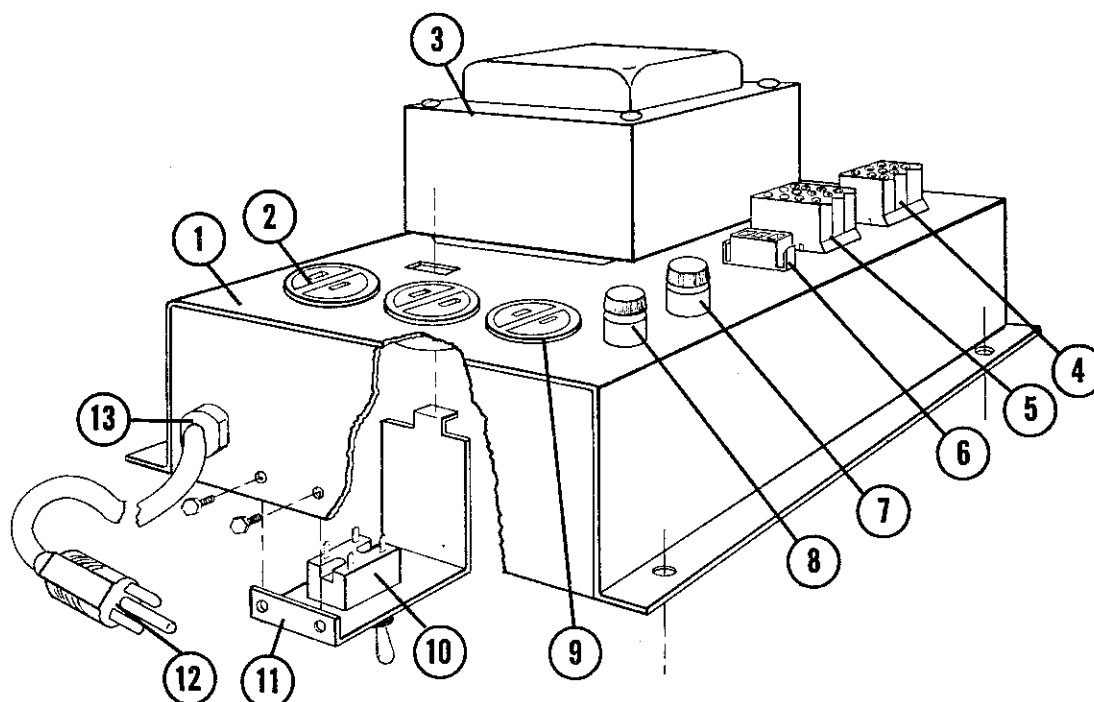
Connecting auxiliary speakers, either low impedance or CV, so as to exceed the maximum permissible load will result in distorted sound and blown Amplifier fuses.

EXAMPLE: Phonograph speakers connected to B & G, an 8 ohm speaker connected to A & G - result - distorted sound, Amplifier fuses blown.

EXAMPLE: An 8 ohm speaker connected to CV terminals - result - distorted sound, Amplifier fuses blown and possible speaker damage.



PHONOGRAPH SPEAKER LAYOUT - REAR VIEW



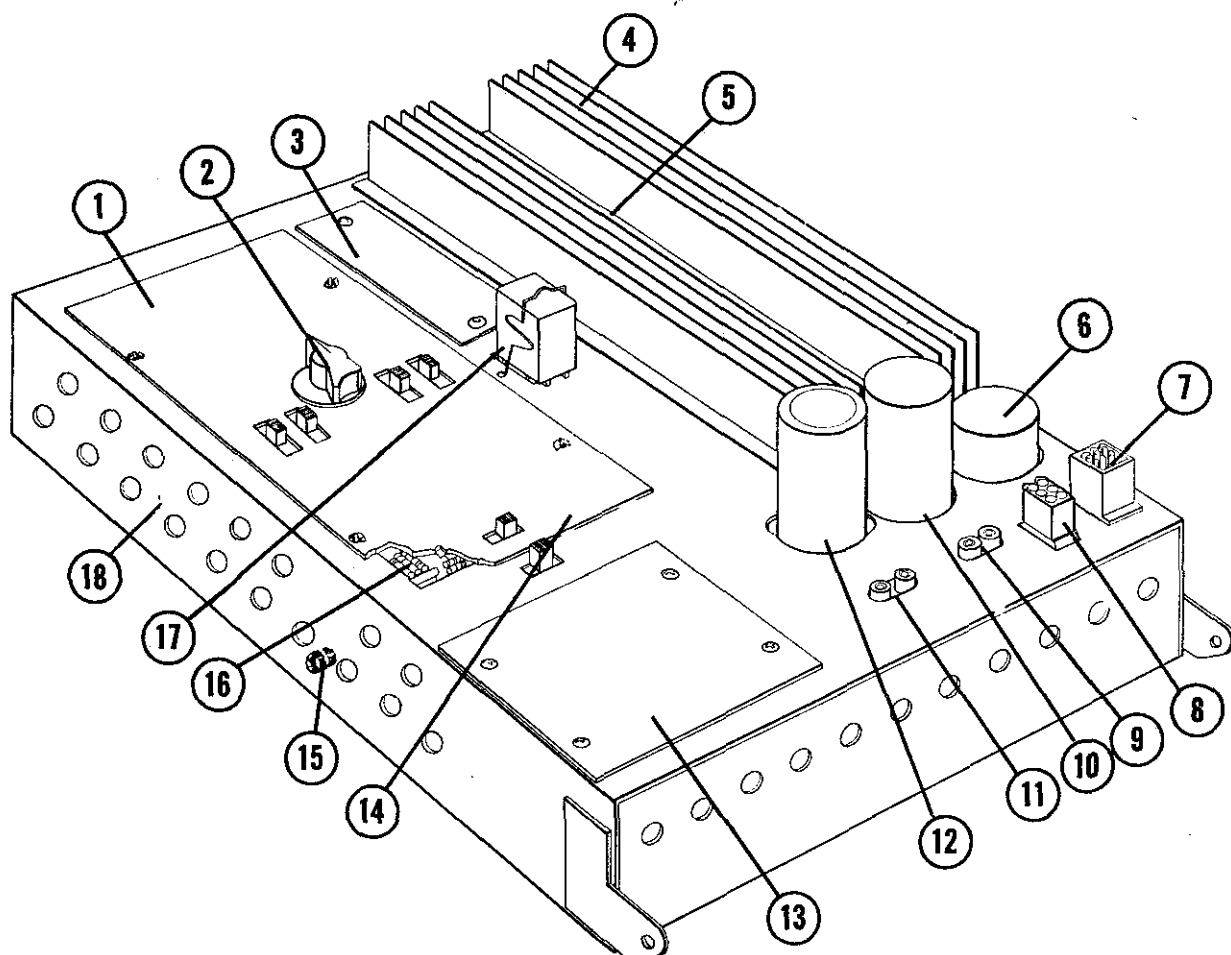
MODEL 554 POWER SUPPLY ILLUSTRATED PARTS LIST

1. Chassis Pan and Silk Screen Assembly	136207	8. Fuse Post	126853
2. Socket, 117 V	137766	Lockwasher	73607-13
3. Transformer	138238	Fuse, 15 A	71590-48
4. Receptacle, 9 R	131931	9. Socket, 117 V, W/Gnd. (2)	137737
Contact (6)	132001	10. Switch, ON/OFF	121301
5. Receptacle, 12 B	134253	Lockwasher	73607-13
Contact (9)	132001	11. Switch Bracket	136213
6. Receptacle, 3	117824	12. Line Cord	136932
Contact (2)	111527	13. Strain Relief	71878-14
7. Fuse Post	126853		
Lockwasher	73607-13		
Fuse, 5 A	71590-27		

INTERCONNECTING CABLE ASSEMBLIES USED IN 3600 SERIES PHONOGRAPHS

(Not shown on Illustrated Parts Drawings)

1. Cable, Plug and Receptacle Assembly (Power Supply to Amplifier)	136699	6. Cable, Plug and Receptacle Assembly (Chassis to Control Box)	138519
2. Cable, Plug and Receptacle Assembly (Power Supply to Control Box)	138640	7. Cable and Plug Assembly (BO/AC to Control Box)	138520
3. Cable, Plug and Receptacle Assembly, 3600 (Selection Accumulator to Control Box)	138515	8. Cable Assembly (Slug Rejector to BO/AC)	138835
4. Cable, Plug and Receptacle Assembly, 3610 - 3660 (Selection Accumulator to Control Box)	138516	9. Cable and Plug Assembly (BO/AC to Control Box - Bill Acceptors only)	138818
5. Cable, Plug and Receptacle Assembly (Selection Accumulator to Selector Switch)	138518		



NOTE: The two Amplifier Output Transformers are located on the rear of the Accessory Terminal Panel.

MODEL 553 AMPLIFIER - ILLUSTRATED PARTS LIST

1. Cover and Silk Screen Assembly	136538	13. Cover and Silk Screen Assembly, Remote Loudness	136802
2. Knob	125720	14. Switch, Scratch Compensator	62886
3. Cover and Silk Screen Assembly, Mike Kit	136801	15. Pin, Fall Support (2)	137083
4. Heat Sink and Socket Assembly	131264	Retaining Ring (2)	73724-18
5. Transistor (4)		16. Printed Board Assembly	138689
Q10, Q11, Q12, Q13		17. Relay, Red	122366
Red, Orange, Yellow, Green or Blue		Hold Down Spring, Relay	134840
(Specify Color)	125703	Receptacle, Relay, Red	136337
Insulator (4)	650446	Terminal, Relay Socket (8)	136335
6. Capacitor, 2000 Mfd., 50 V. D.C.	76621	18. Chassis Pan and Silk Screen Assembly	
7. Plug, 9 R	136000	Loudness Control Assembly	136529
8. Receptacle, 6	131171	Control	125700
9. Receptacle, Audio	113420	Plug, 9 Min.	125702
10. Capacitor, 3000 Mfd., 55 V. D.C.	76620	Switch, Cancel	116723
11. Receptacle, Auxiliary Amplifier Output	113420	Thumbscrew (2)	138366
12. Capacitor, 3000 Mfd., 55 V. D.C.	76912	Retainer (2)	138784
Mounting Plate, Capacitor	116242		

BILL OF MATERIALS 553 AMPLIFIER

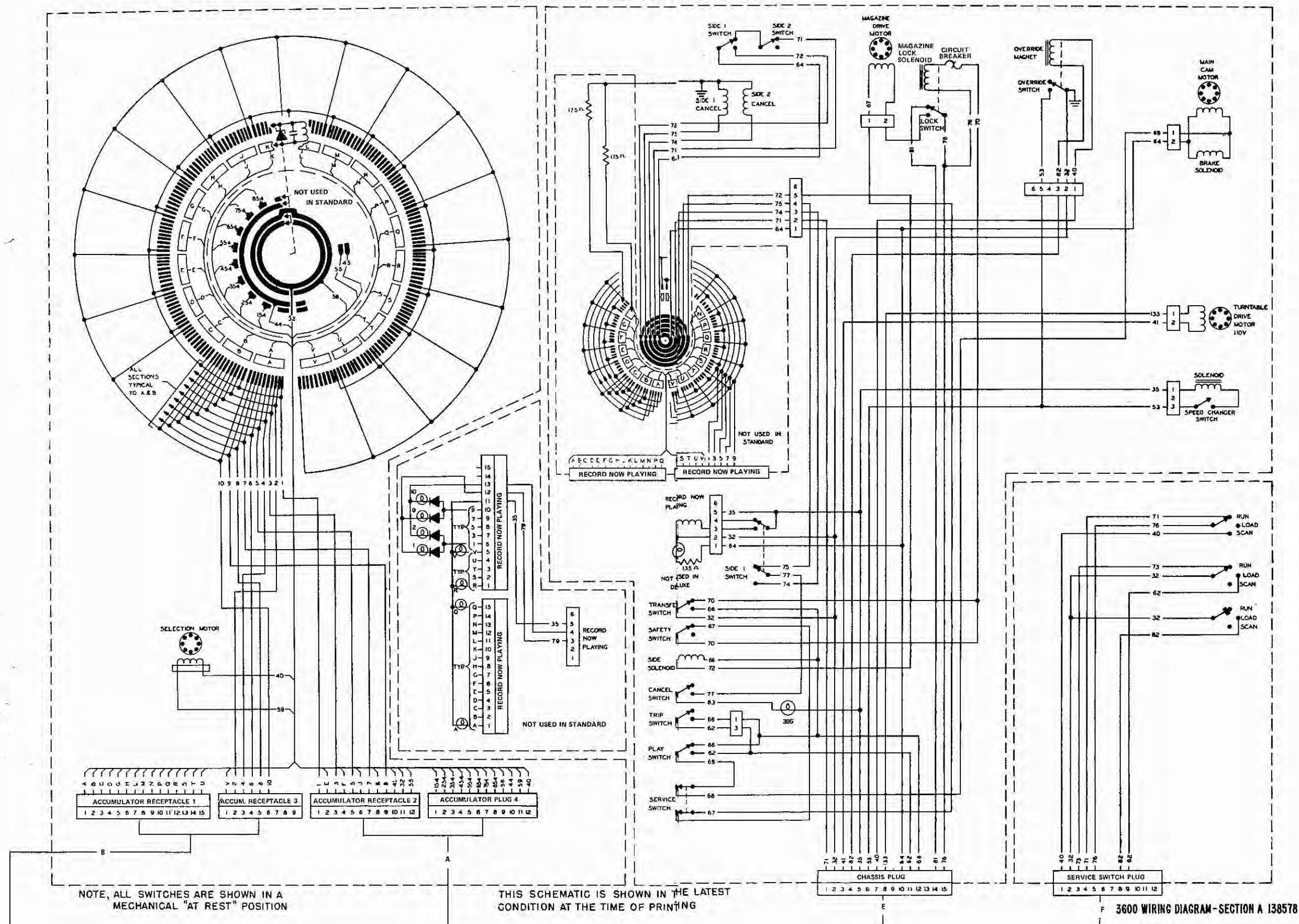
ITEM NO.	PART NO.	VALUE	REMARKS
R1	77347-25	180 K	1/4 W 5%
R2	77311-25	5.6 K	1/4 W 5%
R3	77341-25	100 K	1/4 W 5%
R4	77347-25	180 K	1/4 W 5%
R5	77293-25	1 K	1/4 W 5%
R6	77335-25	56 K	1/4 W 5%
R7	77363-25	820 K	1/4 W 5%
R8	77333-25	47 K	1/4 W 5%
R9	77312-25	6.2 K	1/4 W 5%
R10	77338-25	75 K	1/4 W 5%
R11	77290-25	750 OHM	1/4 W 5%
R12	77300-25	2 K	1/4 W 5%
R13	77306-25	3.6 K	1/4 W 5%
R14	77330-25	36 K	1/4 W 5%
R15	77321-25	15 K	1/4 W 5%
R17	77336-25	62 K	1/4 W 5%
R18	77308-25	4.3 K	1/4 W 5%
R19	77313-25	6.8 K	1/4 W 5%
R20	77251-25	18 OHM	1/4 W 5%
R21	77285-25	470 OHM	1/4 W 5%
R22	77347-25	180 K	1/4 W 5%
R23	77327-25	27 K	1/4 W 5%
R24	77293-25	1 K	1/4 W 5%
R25	125710	100 K	BALANCE
R26	77295-25	1.2 K	1/4 W 5%
R27	125700	100 K	LOUDNESS
R28	77327-25	27 K	1/4 W 5%
R29	74817-2	25 OHM	5 W 10%
R30	74844-2	0.5 OHM	5 W 10%
R31	74903-3	120 OHM	10 W 5%
R32	74486-32	2.7 OHM	2 W 10%
R33	72482-31	1.2 K	2 W 5%
R34	74826-2	390 OHM	5 W 10%
R35	77245-25	10 OHM	1/4 W 5%
R36	77355-25	390 K	1/4 W 5%

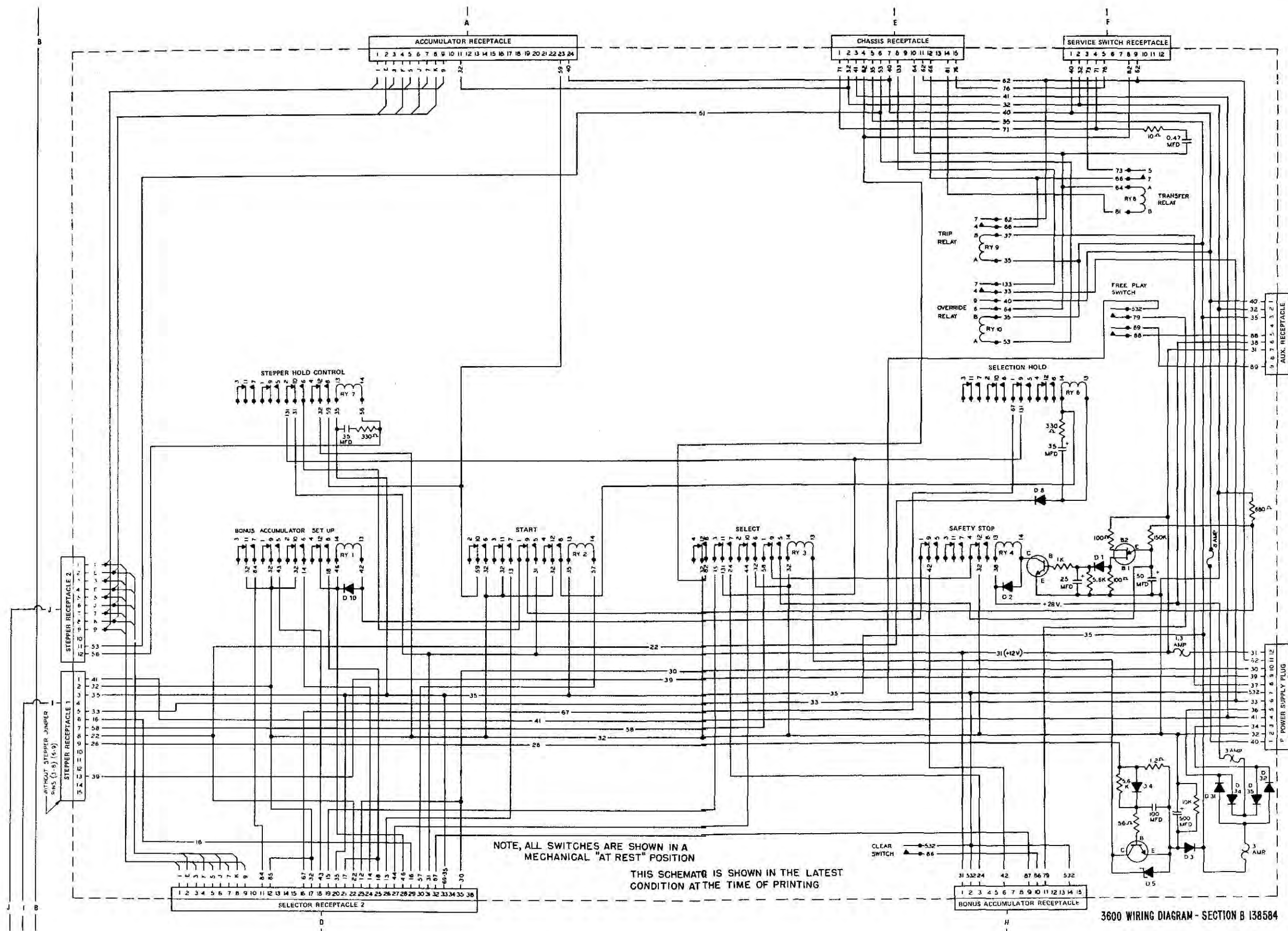
ITEM NO.	PART NO.	VALUE	REMARKS
C1	76695-131	500 MFD	3 V
C2	76185-11S	.039 MFD	100 V
C3	76481-6	2 MFD	25 V
C4	76163-11S	.0047 MFD	100 V
C5	76199-17S	.15 MFD	75 V
C6	76686-132	100 MFD	6 V
C7	76165-11S	.0056 MFD	100 V
C8	76187-11S	.047 MFD	100 V
C9	76169-11S	.0082 MFD	100 V
C10	76183-11S	.033 MFD	100 V
C11	76392-341	.0047 MFD	DISC.
C12	76396-341	.0033 MFD	DISC.
C13	76199-17S	.15 MFD	75 V
C14	76171-21S	.01 MFD	100 V
C15	76419-341	.00047 MFD	DISC.
C16	76203-27S	.22 MFD	75 V
C17	76686-135	100 MFD	25 V
C18	76811	500 MFD	25 V
C19	76811	500 MFD	25 V
C20	76165-11	.0056 MFD	100 V
C21	76207-27S	.33 MFD	75 V
C23	76620	3000 MFD	55 V
C24	76621	2000 MFD	50 V
C25	76912	3000 MFD	55 V
C26	76175-21S	.015 MFD	100 V
C27	76411-341	820 MMFD	DISC.
C28	77516-3	3300 MFD	16 V

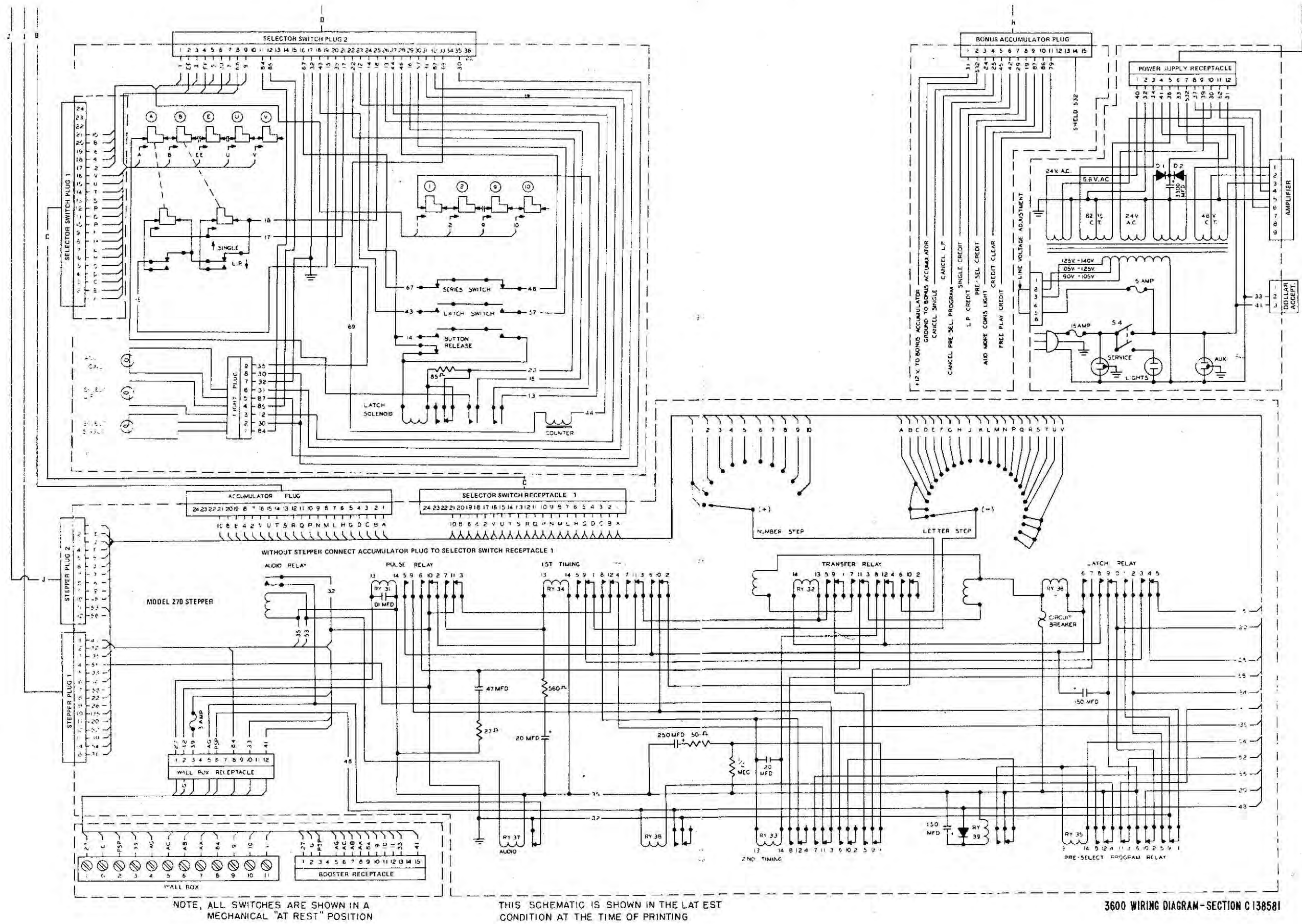
ITEM NO.	PART NO.	REMARKS
Q1 ,Q2	138789-5	GREEN DOT
Q3 ,Q4	138789-4	YELLOW DOT
Q5	131262	P-N-P SILICON
Q6 ,Q7	138789-5	GREEN DOT
Q8 ,Q9	136406	DRIVER SP8788
Q10,Q11	125703	RED, ORANGE, YELLOW
Q12,Q13		GREEN OR BLUE
S1	125709	D.P.D.T.
S2	125708	D.P.T.T.
S3	125708	D.P.T.T.
S4	121301	D.P.S.T.
S5	116723	S.P.D.T.
S6	62886	D.P.D.T.
T1	138238	LOW-VOLTAGE
T2	136780	DRIVER: 140937
T3	138508	AUDIO

ITEM NO.	PART NO.	REMARKS
VR1	133932	DUAL SELENIUM - RED
VR2	133907	DUAL SELENIUM - YELLOW
D1	OPT.	
THRU	71588-22	SILICONE 3A
D6	71488-21	
F1	71590-48	15 AMP. SLO
F2	71590-27	5 AMP. SLO BLO
F3	71591-16	1.6 AMP. SLO BLO
RY5	122366	RELAY
J1	70190-6	WIRE 22 1 1/2 LG.

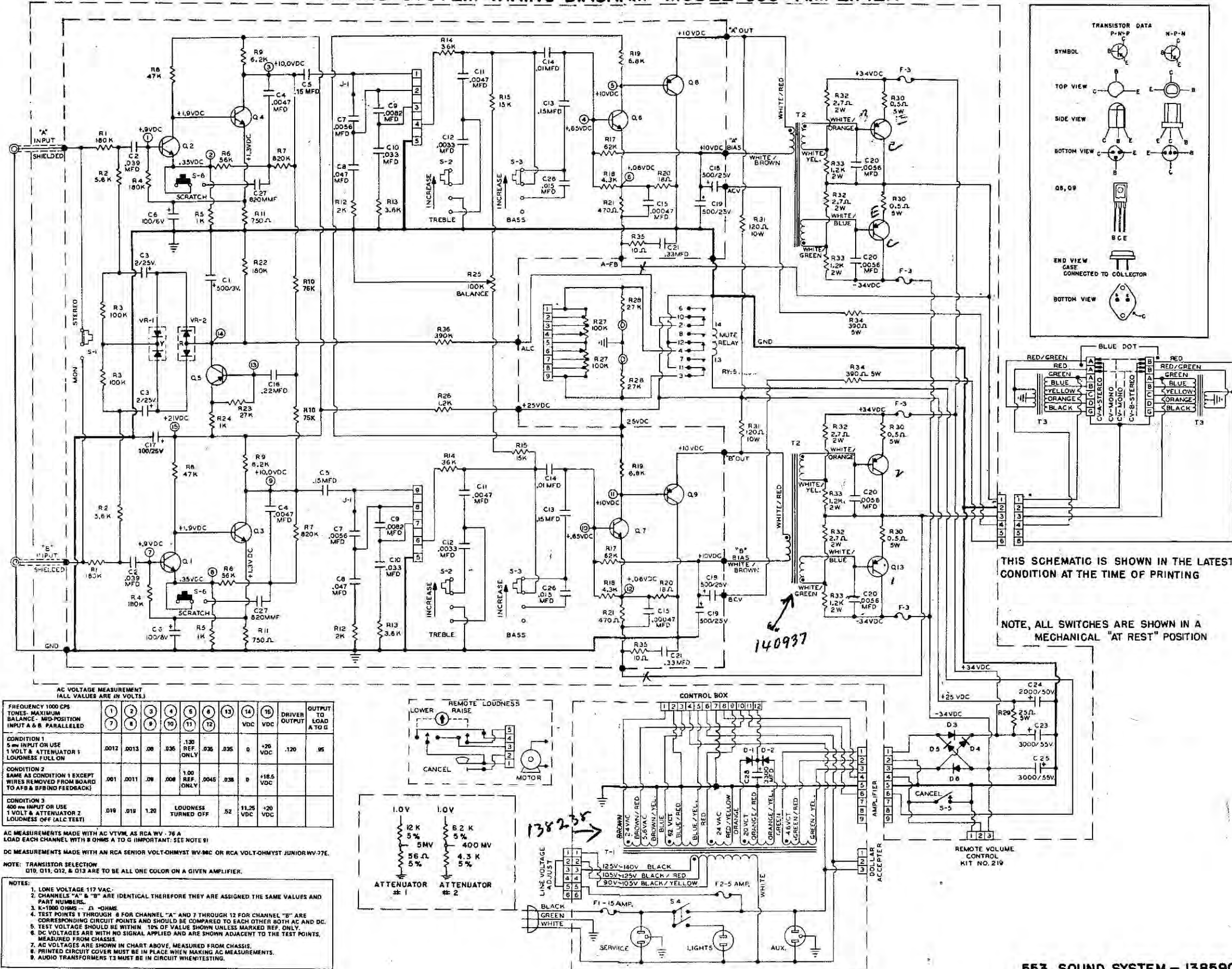
MODEL 3600 WIRING DIAGRAM







SOUND SYSTEM WIRING DIAGRAM - MODEL 553 AMPLIFIER



THE WURLITZER COMPANY
PHONOGRAPH DIVISION
NORTH TONAWANDA
NEW YORK



PRICE \$3.50
PART NO. 336 S